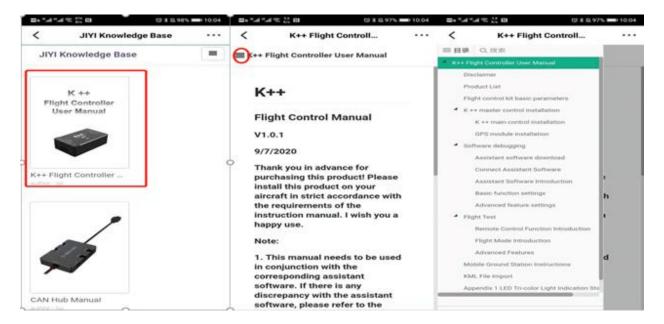
# **Agri Assistant APP Manual**

After using the mobile phone to enter the Jiyi Knowledge Base, you can query related information according to the following figure:



## **Download the APP**

There are three ways to download the mobile APP:

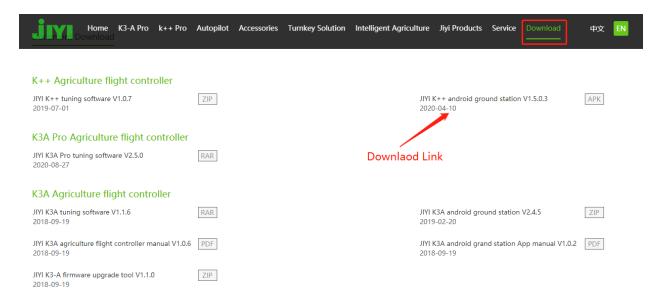
1. Use the mobile browser to scan the code to download the APP (APP is a 44.7MB file, please do not download it wrong)



2. Use the mobile app treasure software to search, operate and download as shown in the figure below:



3. Use the computer to enter the Jiyi official website (<a href="http://www.jiyiuav.com">http://www.jiyiuav.com</a>), and download on the download interface, as shown in the figure below:



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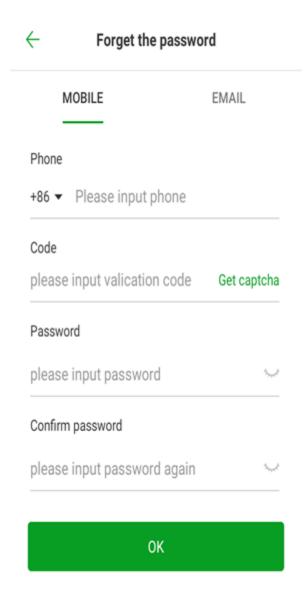
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## User module

## Register

#### English version registration

Enter your normal mobile phone number or email address (recommend the mobile phone number you are using), click to get the verification code, and wait for the verification code (6 digits) sent by the Flying Defense Manager platform. After filling in the verification code, enter the password you need to set, and tick Choose to agree to the privacy agreement, click "register", the registration is successful.

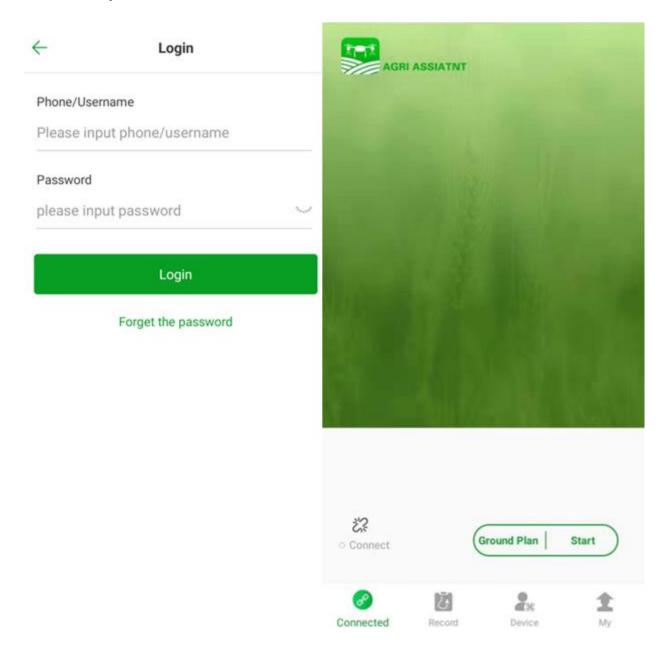


log in

After opening the APP, click "Login" to enter the login interface, as shown below:



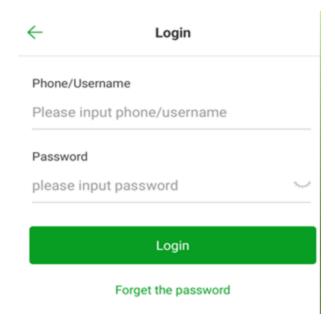
After entering the login interface, enter the phone number and password, and click "Login" to enter the APP main interface



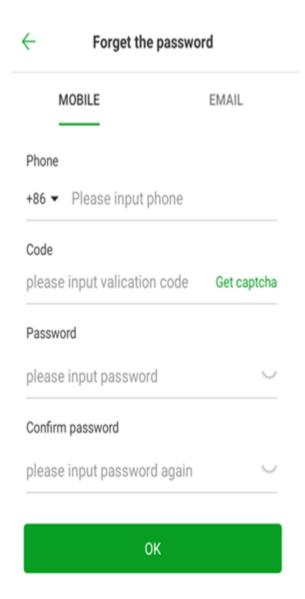
# Forgot password

In the process of using the APP, if you forget the login password, follow the steps below to retrieve it:

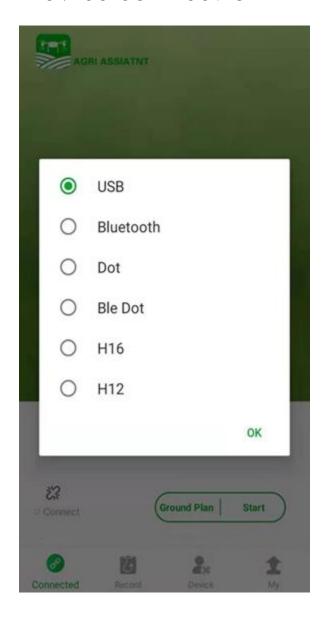
1. First enter your e-mail (must be real), and then click "Forgot Password"



2.Enter your e-mail, click "Get verification code", the background will send a text message to your e-mail, enter the correct verification code, enter the new password, and then re-enter the new password, click "OK", the password modification is successful.



# **Device connection**



After opening the APP, click "Please connect to the device", a selection dialog box pops up The supported connection methods are: USB, Bluetooth, coordinate collector, Bluetooth coordinate collector.

USB: A specific remote control is required for use;

Bluetooth: Yunzhuo remote control and Siyi remote control both use Bluetooth to connect (such as: M12, T12, VD32, etc.);

Coordinate collector: Use a USB collector, plug the connector directly into the charging port of the mobile phone, and click "Dottor";

Bluetooth coordinate collector: When using RTK Bluetooth collector, select the corresponding Bluetooth name to connect;

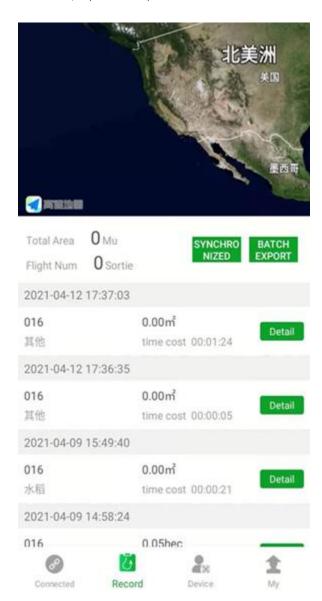
The supported remote control devices are: H16 and H12.

When H16 remote control uses APP for data transmission connection, select H16 option;

When H12 remote control uses APP for data transmission connection, select H12 option;

## Job record

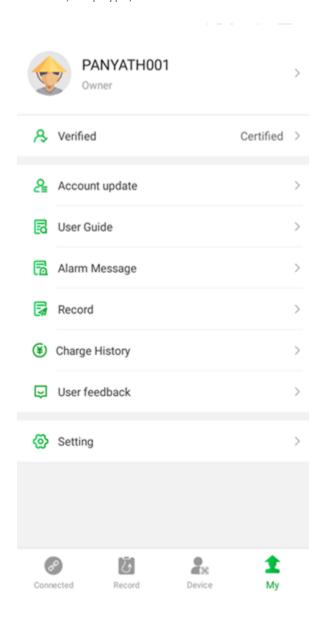
Open the APP and click "Operation Record" to view the flight operation record (as long as the aircraft is unlocked, a piece of operation information will be stored)



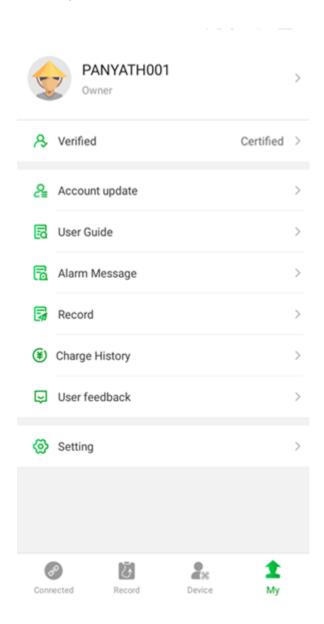
Select several flight records, as shown in the figure below, you can view the total area of the operation and the total number of flights (you can choose arbitrarily)

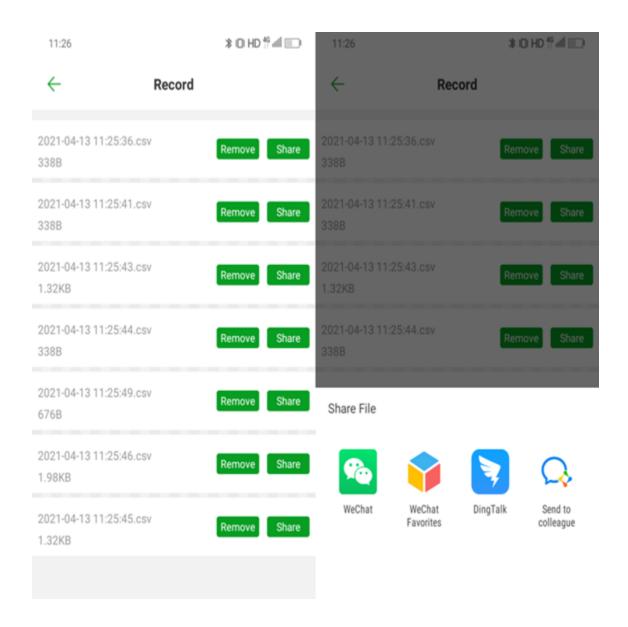


Click the details of any flight record to view specific flight information. Include the following content: user name, start time, flight time, spray area, dosage per mu, dosage, flight control serial number, flight distance, crop type, etc.

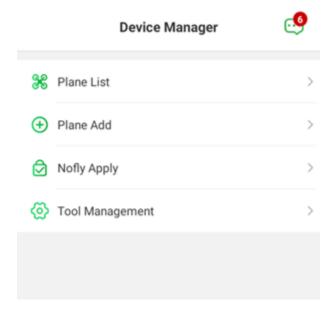


Select several flight records, click "Batch Export", you can view the exported data in "Job Records" in the "My" interface, click "Share", and forward them to others through QQ, WeChat, DingTalk and other software, as shown below:





# **Equipment management**



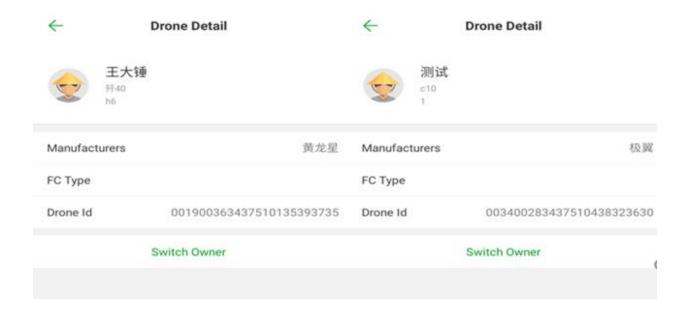
### 1. List of aircraft

In the aircraft list, all aircrafts added by this account will be displayed



The added aircraft can be replaced by the owner operation

For airplanes that have not been bound to the flight control, you can bind the flight control first



#### 2. Add aircraft

Open the APP: Click "Device Management", select "Add Aircraft", only the manufacturer (manufacturer) account can add aircraft. As shown below:

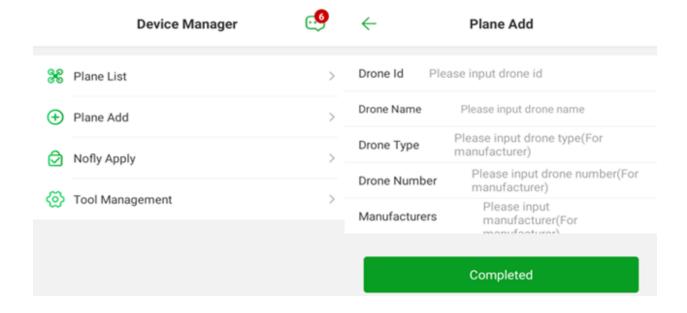
Flight control serial number: After connecting to the aircraft using the Bluetooth of the mobile phone, the flight control serial number will be automatically read;

Aircraft name: You can give the aircraft any name, such as: A, B, etc.;

Aircraft model: It can only be filled in by the manufacturer. For example, the aircraft with a load of 20Kg can be written as: jiyiXXXX-20;

Aircraft number: It can only be filled in by the manufacturer. For example, if 100 aircraft are produced, it can be written as jiyiXXXX-20-0001, jiyiXXXX-20-0002... etc.;

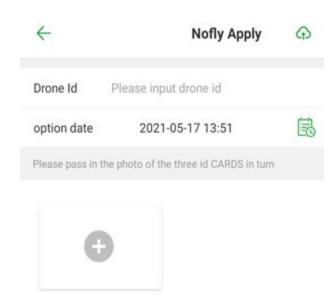
Manufacturer: Fill in the name of the manufacturer, such as: Jiyi Robot (Shanghai) Co., Ltd.



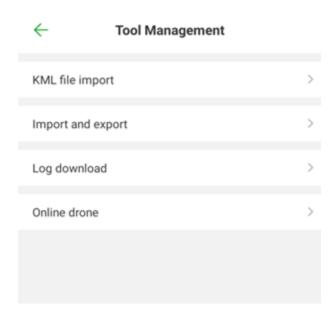
Note: The aircraft must be added to the manufacturer's account first, and then the seller and the owner can add it. Ordinary users cannot add aircraft.

#### 3. Application for lifting the ban

Open the APP: Click "Device Management", select "Application for Banning Lifting", and submit the materials as required. As shown below:



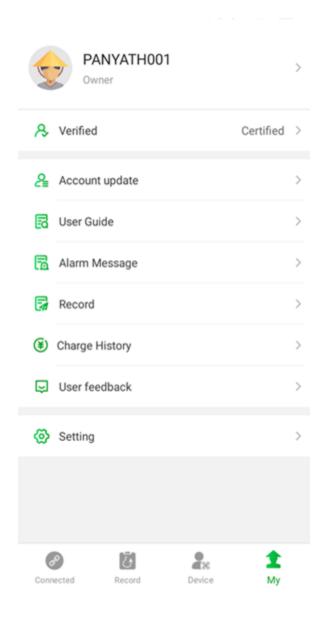
### 4. Tool management



KML files can be obtained using surveying and mapping equipment, and then imported into the flight controller;

The import and export function is a function for quickly setting aircraft parameters, which is mainly used by manufacturers in mass production.

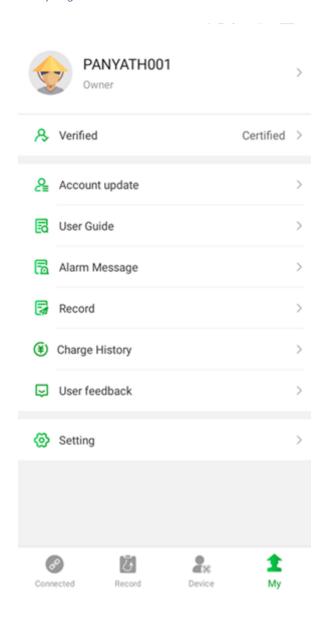
# "My" interface



## Verified

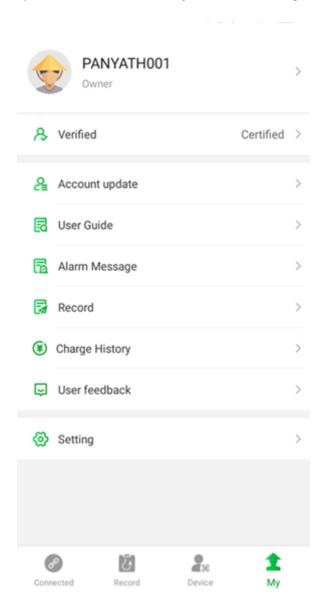
Note: After registration, foreign customers default to real-name certification; domestic customers need to perform real-name certification according to the following process.

After opening the mobile APP, in the "My" interface, click "Real-name authentication" (generally, the newly registered account is not authenticated and needs to be authenticated first)



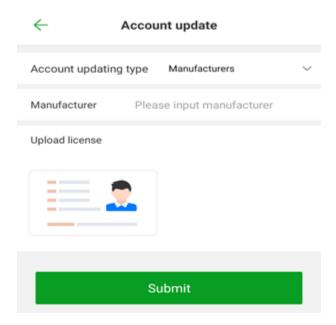
# Account upgrade

After the real-name authentication is completed, the account needs to be upgraded (after the account level is upgraded, the aircraft can be bound; you can log in to the computer background to view the operation records; the manufacturer can manage the end customers)



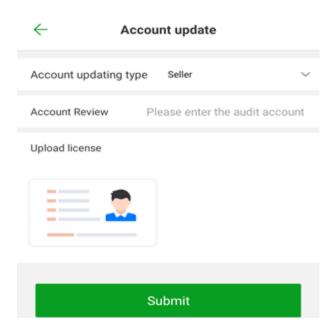
#### 1. How to upgrade to a manufacturer?

Select the manufacturer for the upgrade account type, enter the manufacturer's name (company name), submit the relevant license (business license), click "submit", and Jiyi customer service will review it in time;



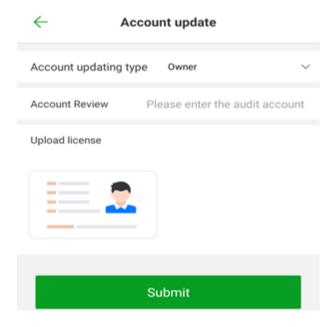
#### 2. How to upgrade to become a seller?

Select the seller for the upgrade account type, fill in the manufacturer's mobile phone number in the audit account (communication with the manufacturer), submit the relevant license (business license or ID card front photo), click "submit", the manufacturer needs to be in the computer background (http://ai.fei-fang.com) Audit in the user management-account audit function.



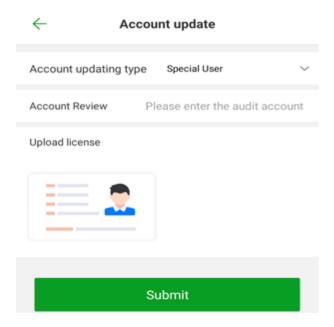
#### 3. How to upgrade to become the owner?

Select the owner for the upgrade account type, fill in the manufacturer's (or seller's) mobile phone number in the audit account (to communicate with the manufacturer), submit the relevant license photo (the front photo of the ID card), click "submit", the manufacturer (or seller) needs Audit in the computer background (http://ai.fei-fang.com) user management-account audit function.



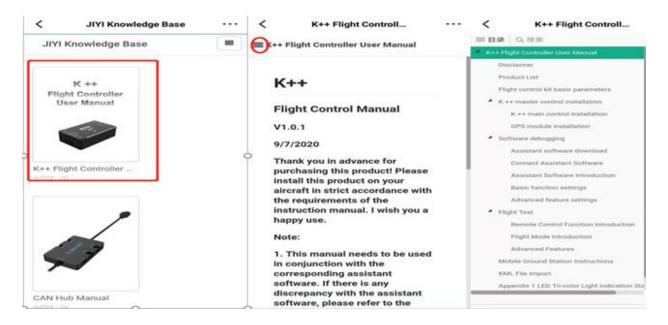
#### 4. What is the use of special users, can they be upgraded?

A level established for special groups of people. It is not recommended for users to upgrade. This level has no effect on flight operations and will also affect the use of other functions in the future.



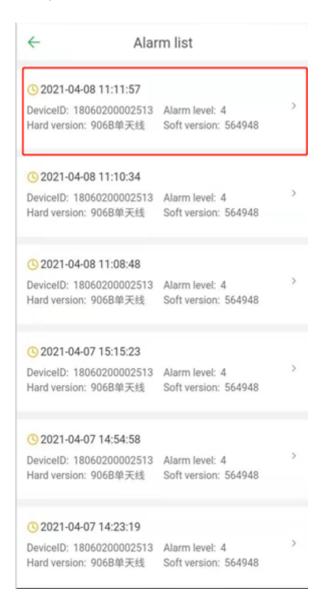
## **User's Guide**

After clicking the "User Guide", you will enter the "Jiyi Knowledge Base", you can view the manuals related to the Jiyi products, and you can also view our summary of common problems.



### **Alarm** information

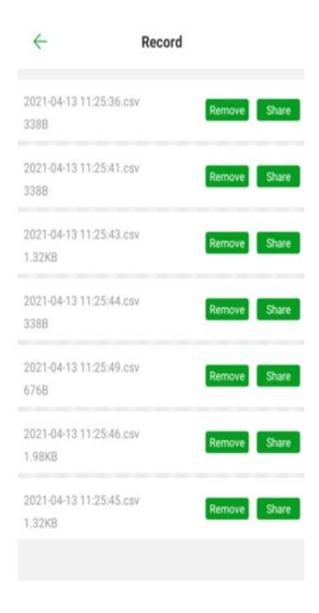
In the alarm list, you can view some alarms prompted by the aircraft during use. As shown in the figure below, it is an alarm reminder about the calibration of the magnetic compass.



### Job record

The job record can download the data after the job, including: user name, start time, flight time, spray area, dosage, flight control serial number, flight distance and other information.

Note: This job record is exported in batches from the main interface of the APP-"Job Record".



# Recharge record

### Device recharge record

- 1. You can query RTK and KBOX device recharge records
- 2. You can select the time period for query



All

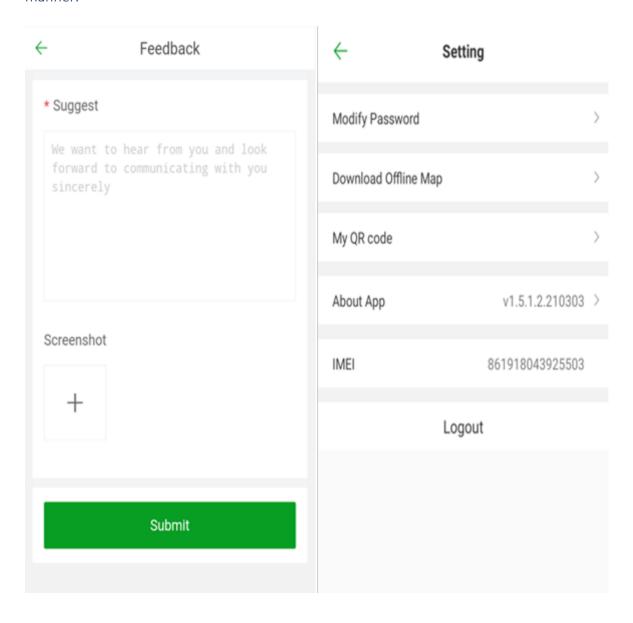
RTK

KBOX

Cancle

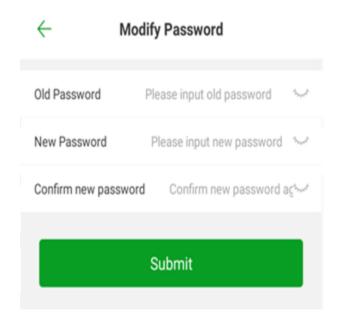
## **Customer feedback**

You can put forward comments and suggestions in use on this interface, and we will check them in time. Reasonable comments and suggestions will be updated to Jiyi products in a timely manner.



#### 1. Change the password

This meeting can modify the login password of this account. It is recommended that users who have reset their passwords should modify their personal account passwords in time.



#### 2. Download offline maps

This meeting can download local maps, mainly to solve the problem of not being able to refresh the map when flying in offline mode.



### 3. My QR code

*To be developed.* 

### 4. About Flying Defense Butler

This interface can check the latest version of the APP to see if it needs to be updated.

#### 5. IMEI

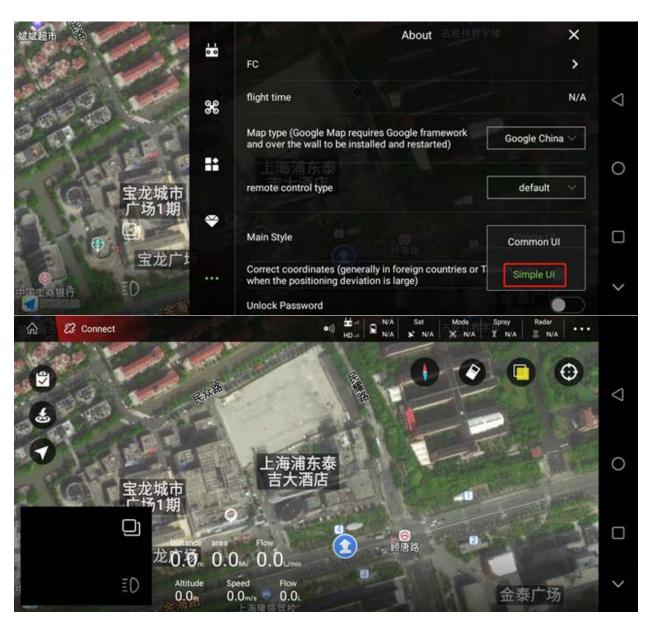
The IMEI number is a unique code for each mobile phone.

### 6. Log out

Click "Logout" to log out of the APP account and re-enter the APP login interface.

# Introduction to the main flight interface

In the APP parameter setting-about interface, the "main interface style" can be selected as "normal mode" or "simple mode", and then restart the APP to see the setting interface. The regular interface is the previously displayed interface; the simple mode is a new interface, the new interface is more concise, the flight data font is larger, and the interface layout is more reasonable. The new interface cannot be adjusted for important flight control parameters. The interface is shown in the following figure:





# Regular mode (old)



#### 1. Exit the main page button

After clicking, it will exit the main flight interface and enter the main interface of the APP.

#### 2. Connect button

When the device is not connected, the device to be connected is displayed; when the device is connected, the electronic module information is displayed. As shown below:



#### 3.RTK icon

Red means not connected, green means connected, and gray means not installed.

#### 4. Remote control connection status

The upper represents the signal strength of the remote control and the remote control, and the lower represents the signal strength of the image transmission;

Green means that the remote control is connected, and gray means that it is not connected.

#### 5. Battery display

The green S icon represents the smart battery connection, and the white represents the normal battery connection;

The upper represents the normal battery voltage, and the lower represents the smart battery voltage.

#### 6. Number of satellites

Used to display the number of satellites of the current aircraft (when RTK is used, the number of RTK stars is displayed)

#### 7. Airplane mode

Display the real-time flight mode status of the flight (attitude, manual, AB point, full autonomy).

#### 8. Spray

Used to set manual spraying (spray according to the set maximum opening)
Accurate spraying (automatically set the pump opening according to the set spray volume per acre)

Linkage spray mode (the opening degree will be automatically adjusted according to different speeds)



#### 9. Imitation ground radar

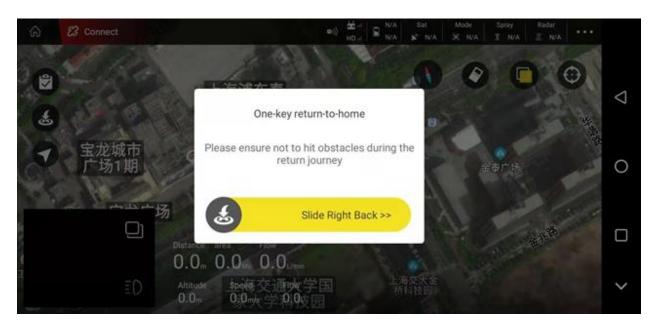
You can click to set parameters when connected The bottom indicates the setting height, the green indicates that it is connected, and the gray indicates that it is not connected

- 10. Parameter tuning function
- 11. List of tasks or plots

The planning plot interface displays: my plot, nearby plots; The execution interface displays: pending job, job in progress.



#### 12. One-key return



### 13. Switch operation mode



- 14. Compass
- 15. Clear switch: you can clear the route track on the map
- 16. Switch between normal map and satellite map
- 17. Check my position and the position of the airplane (for example, click the small icon of the airplane, the airplane position will immediately return to the center of the display screen)
- 18. Picture transmission display or map display, click to display picture transmission or map in full screen. Click "small bulb" to turn on the LED light on the camera.
- 19. Display "speed", "dose", "height", "distance", "area", "velocity" and other information (the radar is connected and turned on to display the altitude of the radar)

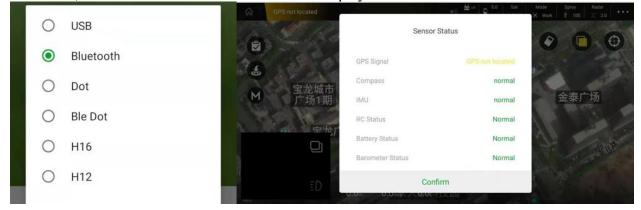


### Easy mode (new)



#### 1. Connect button

When the device is not connected, the device to be connected is displayed; when the device is connected, the electronic module information is displayed. As shown below:



#### 2. Number of satellites

Used to display the number of satellites of the current aircraft (when RTK is used, the number of RTK stars is displayed)

#### 3.RTK icon

Red means not connected, green means connected, and gray means not installed.

#### 4. Remote control connection status

The upper represents the signal strength of the remote control and the remote control, and the lower represents the signal strength of the image transmission;

Green means that the remote control is connected, and gray means that it is not connected.

#### 5. Battery display

The green S icon represents the smart battery connection, and the white represents the normal battery connection;

The upper represents the normal battery voltage, and the lower represents the smart battery voltage.

#### 6. Work acres

#### 7. Imitation ground radar

You can click to set parameters when connected

The bottom indicates the setting height, the green indicates that it is connected, and the gray indicates that it is not connected

#### 8. Airplane mode

Display the real-time flight mode status of the flight (attitude, manual, AB point, full autonomy). After clicking the icon, you can switch the flight mode: A is attitude, M is manual, AB is AB operation, M+ is M+ mode, and B is returning home.

#### 9. List of tasks or plots

The planning plot interface displays: my plot, nearby plots; The execution interface displays: pending job, job in progress.

10. Display "speed", "dose", "height", "distance", "area", "velocity" and other information (the radar is connected and turned on to display the altitude of the radar)

Click the position of the "flow velocity" icon to set the spray mode:

Used to set manual spraying (spray according to the set maximum opening)

Accurate spraying (automatically set the pump opening according to the set spray volume per acre)

Linkage spray mode (the opening degree will be automatically adjusted according to different

speeds)



- 1. Compass
- 2. Clear switch: you can clear the route track on the map
- 3. Switch between normal map and satellite map
- 4. Check my position and the position of the aircraft (for example, click the small icon of the aircraft, the aircraft position will immediately return to the center of the display)
- 5. Parameter tuning function
- 6. Image transmission display or map display, click to display the image transmission or map in full screen. Click "small bulb" to turn on the LED light on the camera.
- 7. Exit the main page button
  After clicking, it will exit the main flight interface and enter the main interface of the APP.

# Fully autonomous operation

Fully autonomous operation is divided into two interfaces: the "planning plot interface" and the "executing operation interface".



### Planning plot interface

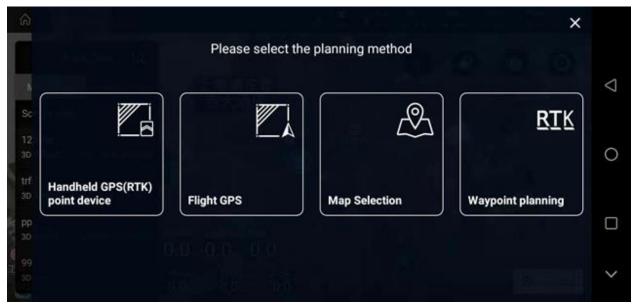
#### Add plot

After clicking "Planning Land" on the main interface of the APP, enter the "Planning Land" interface and click "Add Land" in the lower right corner



Enter the selection planning method interface, divided into:

- 1. Hand-held GPS (RTK) marker: use GPS marker or RTK marker to connect to the mobile phone, and then circle, the collected plot boundary points are of high accuracy;
- 2. Aircraft GPS: After the APP connects to the aircraft, use the aircraft to circle. It is relatively easy to run around the plot without people;
- 3. Map point selection: Use the map in the aircraft APP to circle points and click at will. The accuracy of the collected plot boundary points is very poor;
- 4. Three-dimensional route: The latest firmware of RTK and flight controller must be used, and three-dimensional waypoints can be collected for flight operations (applicable to higher crops such as fruit trees). For specific operation methods, please check in the featured functions.



Take the point selection on the map as an example to describe the functions:

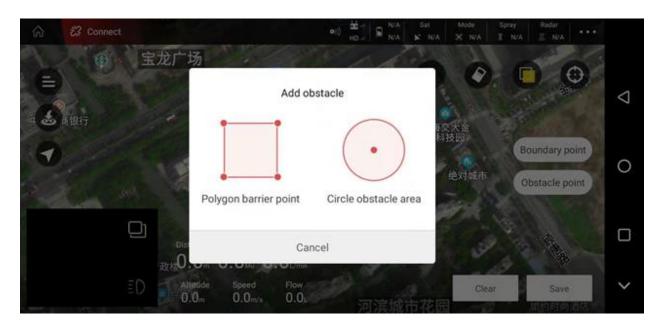
After selecting the plot and point, a dialog box pops up, fill in the name of the plot to be planned, click "OK" when finished, and then start the point selection;



Move the cursor in the APP to a suitable position, click on the "boundary point" on the right (3 points or more can form a regional plot), the APP will prompt "add boundary point is successful";



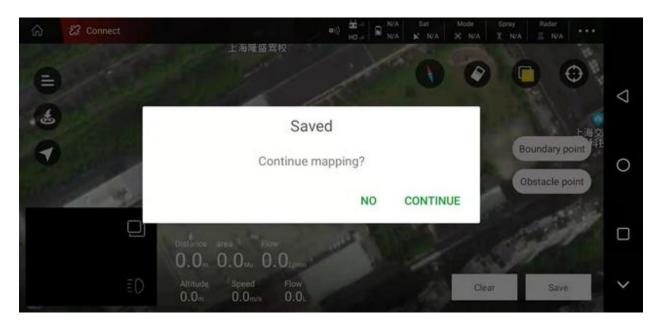
Click on the "obstacle point" on the right, a dialog box pops up, you can choose the type of obstacle (polygon or circle)



Move the cursor to a suitable position on the map, take a circular obstacle as an example, click "obstacle point", that is, successfully collect the circular obstacle area;



After collecting the work area (boundary point) and obstacle area (obstacle point), click "Save" in the lower right corner, and the plot will be added successfully.



### **Assignments**

After successfully adding a plot, click the plot data icon (three horizontal bars in the upper left corner)



Find the previously added plot in My Plot, click on the plot information, and the plot area map and setting bar will pop up on the right.



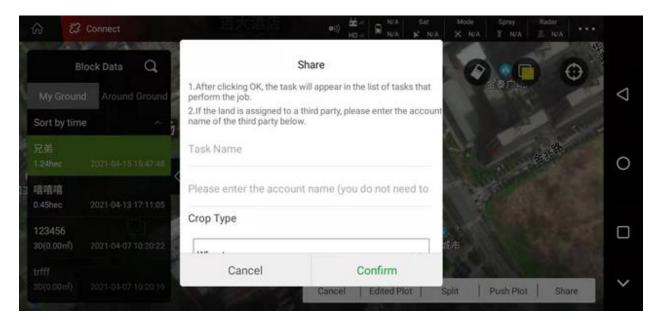
After clicking "Task Assignment", the dialog box will pop up (for task data settings)

Task name: fill in information related to the plot (location, name, etc.)

Who to assign the task to: If you assign it to yourself, you can leave it out. Assign to other people, need to fill in his account

Crop types: wheat, cotton, sugarcane, fruit trees, corn, tea, rape and other crops, please choose according to actual operating conditions

Route type: land parcel (route assigned by normal operations), edge sweeping (operating process of sweeping edge function, please check in the special functions), 3D route (three-dimensional route)



After setting the task assignment pop-up box, click "OK" and the APP will prompt "The task is published successfully. Please check the task list".

Exit "Planning Route" and enter "Perform Operation".



### **Execute job interface**

Enter the "Execute Assignment" interface and click the "Notepad" icon in the upper left corner to view the "Task Data" interface



Find the previously allocated plots in the "To Be Assigned" in the "Task Data" and select



After selecting the plot, the operation area, operation trajectory and route setting function will pop up on the right. The "yellow circle" on the right can adjust the position of point S on the route.



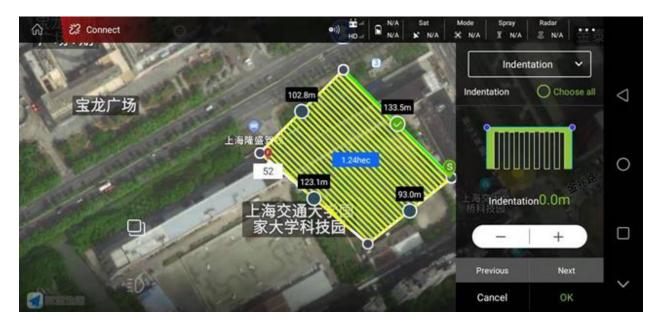
Click on the "route adjustment" in the lower right corner to exit the route parameter setting function. Respectively: operating distance, route shrinkage, obstacle margin, route type and route fine-tuning



Operation distance: adjust the distance between adjacent routes



Route shrinkage: adjust the distance between the overall route and the boundary of the operation area, it is recommended to set it above 5 meters; when there are trees, it is recommended to set a larger value



Obstacle margin: adjust the distance between the overall route and the boundary of the operation area, it is recommended to set it above 5 meters; when there are trees, it is recommended to set it larger



Route type: There are three functions, namely: rounding, turning back and reversing the route Round edge: select round edge, when the route encounters an obstacle, it will fly around the obstacle Turn back: Select turn back, when the route encounters obstacles, it will directly move horizontally and return to flight

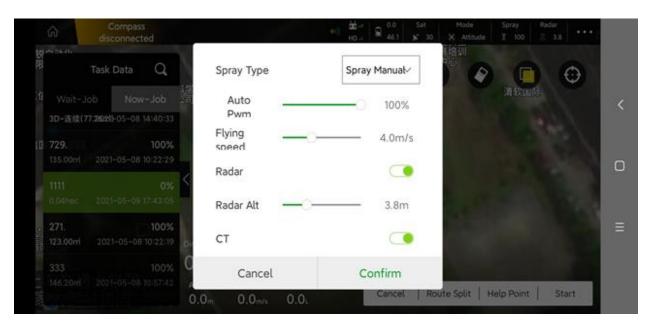
Route reverse: click "route reverse" to adjust the position of point S on the route



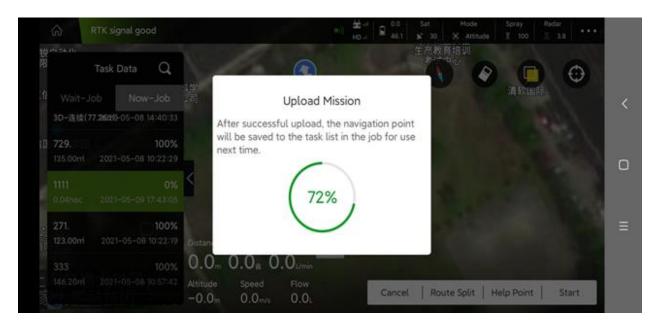
After all the function settings are completed, please click "OK" in the lower right corner



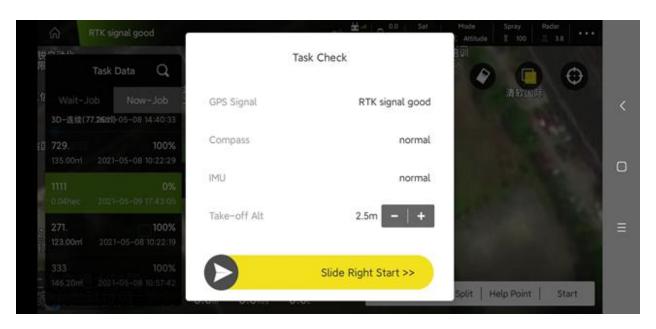
Click "Execute Job" in the lower right corner, and a pop-up box will pop up to set the flight parameters, as shown in the figure below. After setting, click "OK"



Waypoints are being uploaded, after 100%, enter the "self-check before operation" interface



Self-check before operation, check GPS signal, magnetic compass, accelerometer and take-off height information. After confirming that they are all normal, slide the "slider" to the right, and the aircraft will automatically unlock the take-off and execute the set route.



For the route uploaded in "To Be Worked", after flying a sortie, you need to find the route in "Working" (you can see the progress of the entire route), click "Execute Route" in the lower right corner, and the aircraft will automatically unlock and take off, continue to execute the previous route.



After the plane lands again, repeat the previous operation step until the entire flight route is completed.

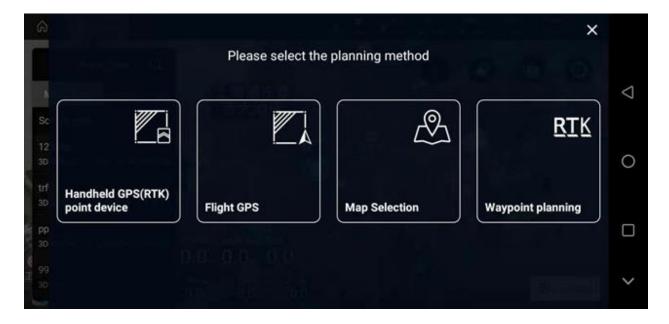
## Other functions

# **Edit plot**

After adding a plot, if you feel that some point settings need to be adjusted, you need to find the plot in the "My Plots" list and click the "Edit Plots" function below to fine-tune certain points



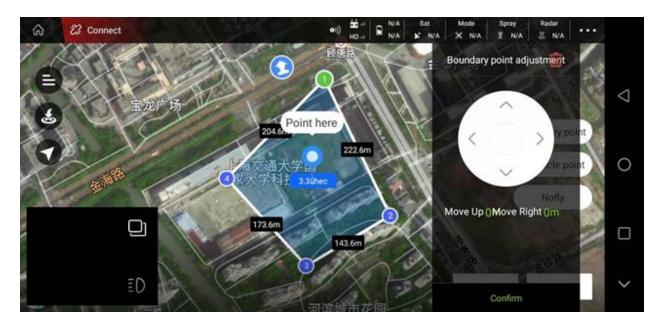
Take "point selection on map" as an example



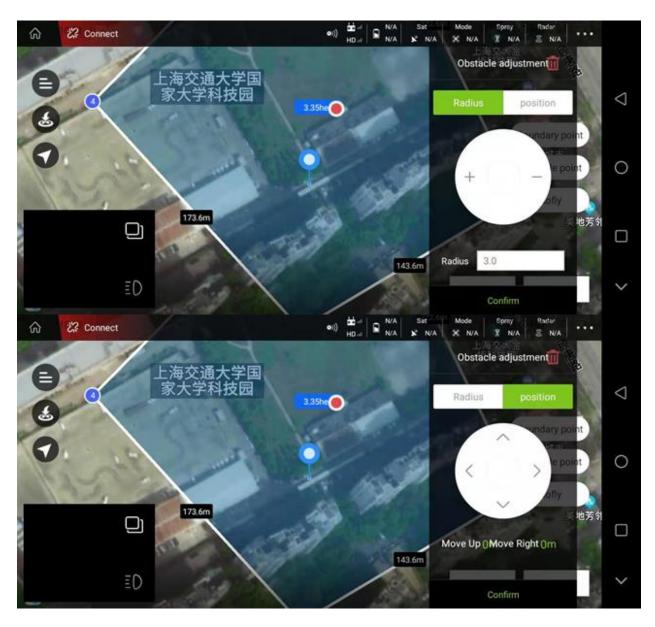
You can continue to add/delete "boundary points" and obstacle points



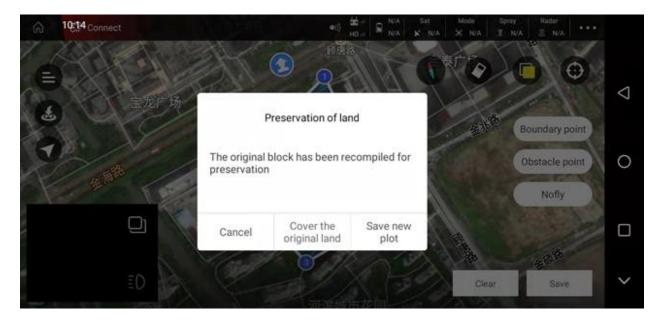
As shown in the figure below, select point "3" to delete and fine-tune point "3"



As shown in the figure below, select the center of the circular obstacle point to fine-tune the radius and center position of the circular obstacle point



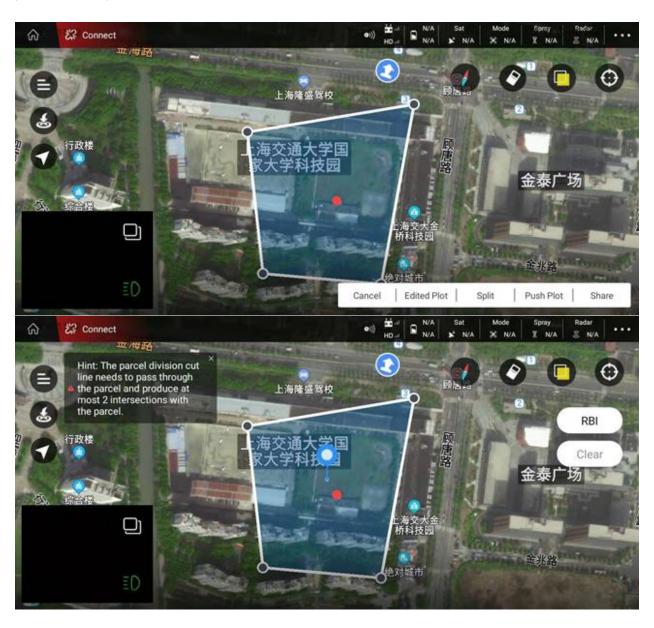
After fine-tuning the "Boundary Points" and "Obstacle Points", please click "Save" at the bottom right, and you can choose to overwrite the original plot or save as a new plot.



After saving, you can assign tasks to the new plot and perform fully autonomous operations.

### **Plot division**

After adding a plot, if you feel that some point settings need to be adjusted, you need to find the plot in the "My Plots" list and click the "Plot Division" function below



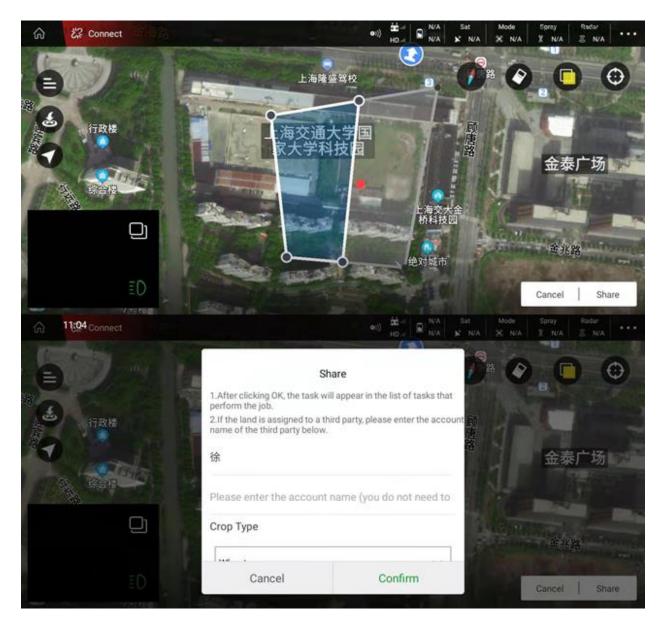
Tip: The plot cutting line must pass through the plot and produce at most 2 intersections with the plot. Move the cursor to a suitable position to do dots (2 points must be collected), the thin white line is the cutting line, as shown in the figure below:



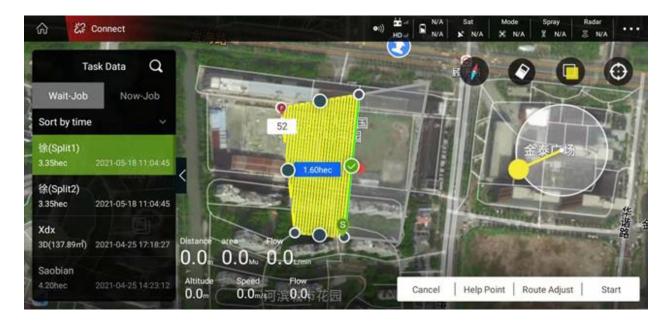
Click "Cut" on the right, the APP will prompt "Successfully cut the plot", click "OK" in the lower right corner, as shown in the figure below:



In the "Execute Job" interface-"Pending Job", view the assigned job information, as shown in the figure below:



In the "Execute Job" interface-"Pending Job", view the assigned job information, as shown in the figure below:



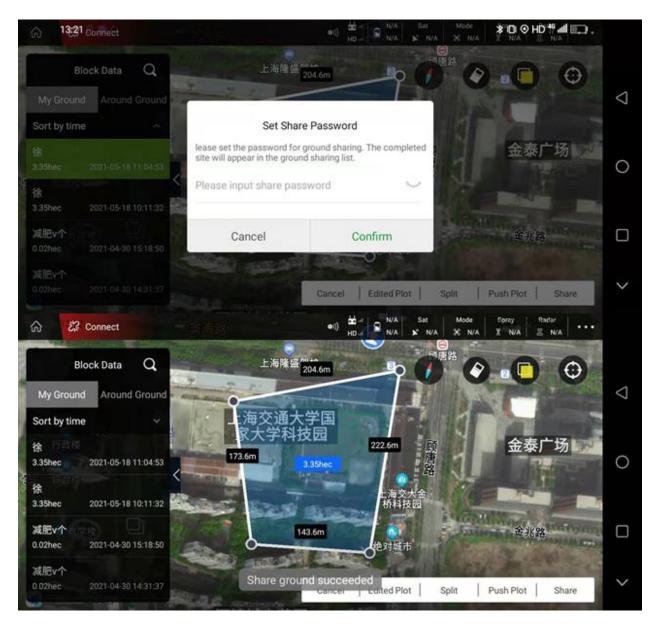
### Nearby plots and release plot functions

This operation describes how to share the same plot between different accounts so that everyone can add this plot for work

First find the parcel that needs to be shared in "My Parcels", and click the "Release Parcels" function in the lower right corner



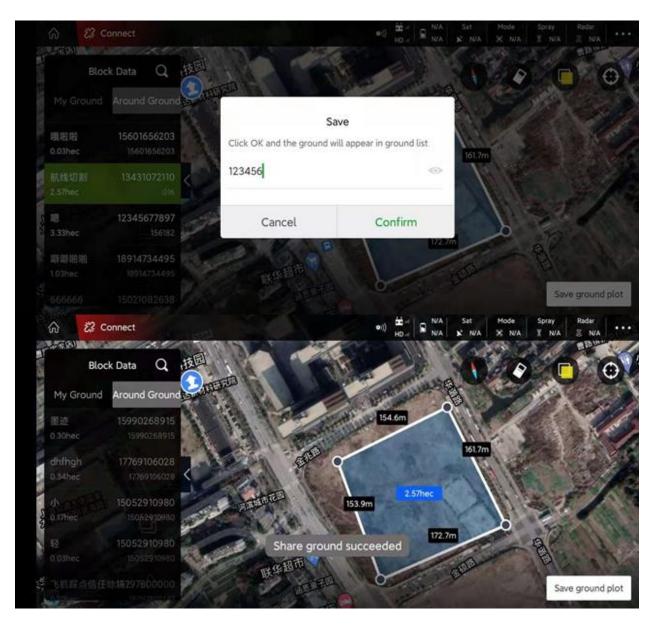
Enter the sharing password, try to be simple and easy to remember, and then click "OK", the APP will prompt "The plot is successfully shared"



Users who need the information of this plot, log in to their mobile APP (another APP account), find this plot in "Nearby plots", and click "Save nearby plots" in the lower right corner



Enter the matching password (ask to the person sharing the plot), click "OK", the APP will prompt "Password matching is successful, the plot has been added to your plot list"



Then you can see the added plots in the "My plots" list



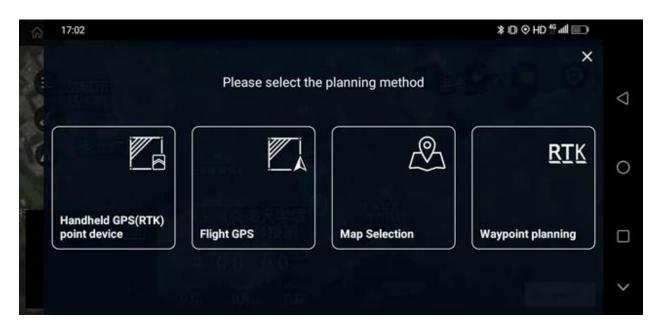
### Set no-fly zone and delete no-fly zone

1. Add a temporary no-fly zone

Find a suitable plot in the "My Plot" list, and click the "Edit Plot" function below



Take "point selection on map" as an example



Click the "No-Fly Zone" on the right, a pop-up box will pop up, "Please confirm whether the current plot area is set as a temporary no-fly zone", click confirm, and the temporary no-fly zone will be added successfully (the aircraft encounters a no-fly zone). After entering the no-fly zone, hovering or landing will be triggered)

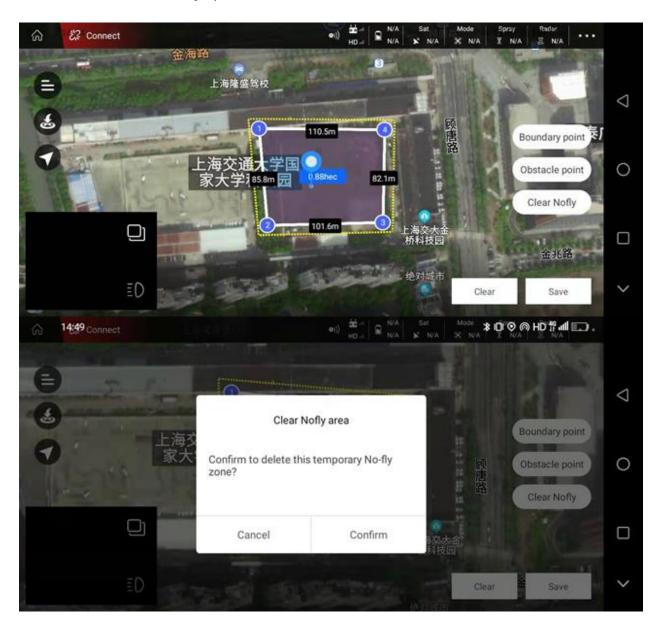




# 2. Delete the temporary no-fly zone *Choose a plot arbitrarily, select "Plot Edit"*



Click "Delete No-Fly Zone" on the right, and a pop-up box will pop up, "Please confirm whether to delete the current temporary no-fly zone". After clicking confirm, the APP will prompt that the temporary no-fly zone has been deleted successfully



# **Route split**

For special reasons, if you want to fly a certain area of the whole route or a certain section of the route, you need to split the route.

Select the land parcel in the "Working" interface, and click "Route Split" at the bottom right to enter the operation of splitting the route



Select "Start Waypoint" and "End Waypoint", after confirming the waypoint, click the "scissors" icon in the lower right corner to split



After dividing the route, click "Execute" in the lower right corner, and the aircraft will automatically unlock to take off and execute the flight of the route



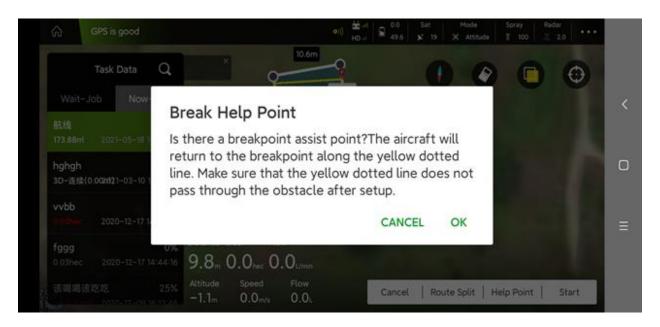
# **Auxiliary point**

After the aircraft is cut off and takes off again, it may be dangerous or hit something (such as: trees, houses, telephone poles, etc.) during the process of flying to the broken point. So add "auxiliary points" to make the flight safer.

Select the plot in the "Working" interface, click on the "Auxiliary Point" at the bottom right to enter the operation of adding "Auxiliary Point"



After clicking "Auxiliary Point", a pop-up box will pop up, "Do you want to set the auxiliary point for breaking medicine? The aircraft will return to the breaking point along the yellow dotted line. Please make sure that the yellow dotted line will not pass through obstacles after setting", click "OK"



Move the cursor to a suitable position and click on the "Drug Breaking Aid" on the right. An "H1" icon will appear on the map. The yellow dotted line is the trajectory of the airplane to the drug breaking point (first to the drug breaking auxiliary point), click on the right "OK" below

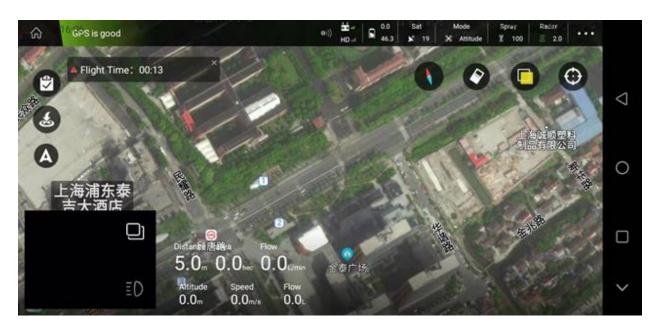


Click "Execute Operation" at the bottom right, and the aircraft will automatically unlock and take off. It will fly to "H1" first, and then fly to the breaking point to start the operation.



# AB work

AB point operation process



After the plane takes off, click on the "A" icon on the left side of the main flight interface of the APP, and after unfolding, select the "AB" icon



After the plane flies to a suitable position, click the "A" icon on the upper left, and the APP will prompt "Point A saved successfully"



Spraying mode: You can choose manual spraying, linkage spraying and spraying volume per mu Water pump opening: in manual spray mode, the water pump opening can be controlled

Line spacing: work spacing when working at point AB

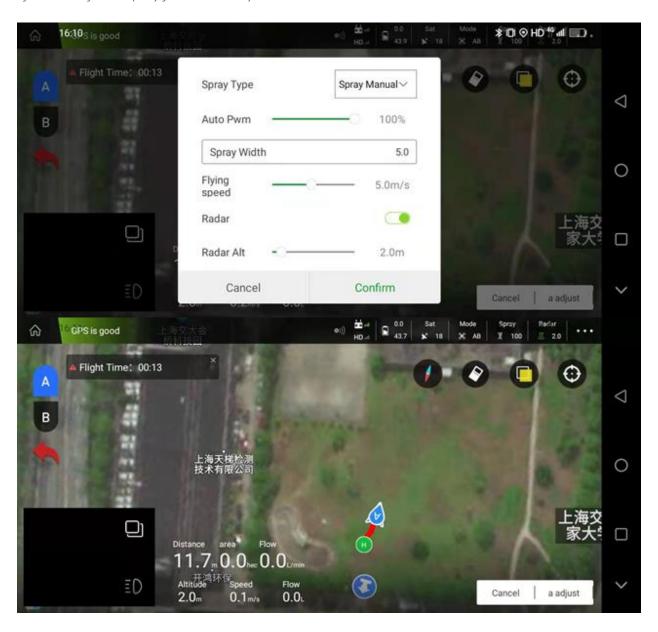
Flight speed: the flight speed during operation at point AB

Terrain following: When installing the ground-like radar, you can control the switch of the ground-like radar

Imitation ground altitude: when the ground imitation radar is turned on, set the flight altitude during operation at point AB

After setting the parameters, click OK, and the APP will prompt "Send successfully"

Click "Adjust A Point Angle", you can adjust the flight boundary point of AB point by rotating the direction of the aircraft nose (only for AB-T mode)



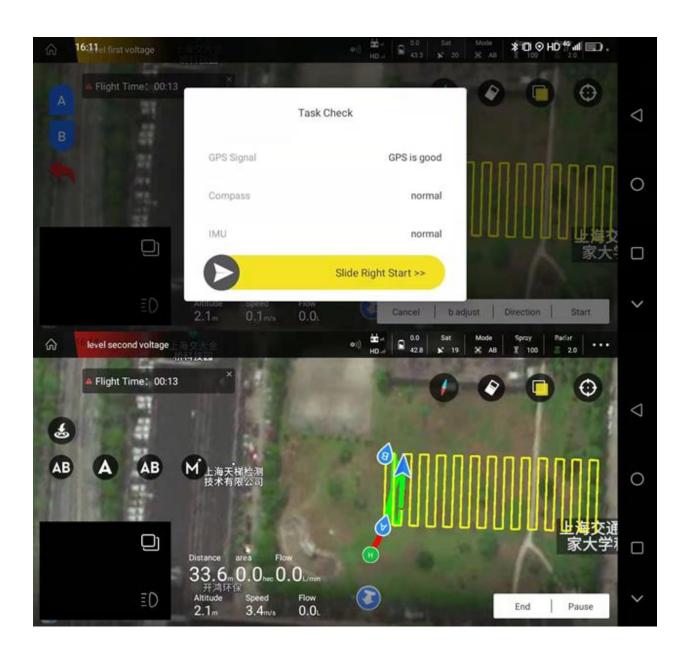
After the plane flies to a suitable position, click the "B" icon in the upper left corner, and the APP will prompt "Point B saved successfully"

Click "Adjust B point angle", you can adjust the flight boundary point of AB point by rotating the direction of the aircraft nose (only for AB-T mode)

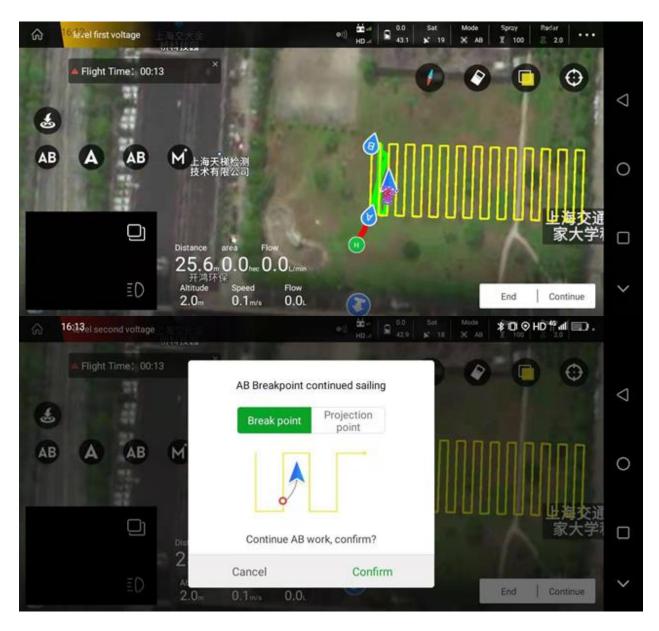
Click "Direction" to adjust whether the flight will move horizontally to the left or right;

Click "Execute job" and slide the icon to the right to automatically perform the AB point job;





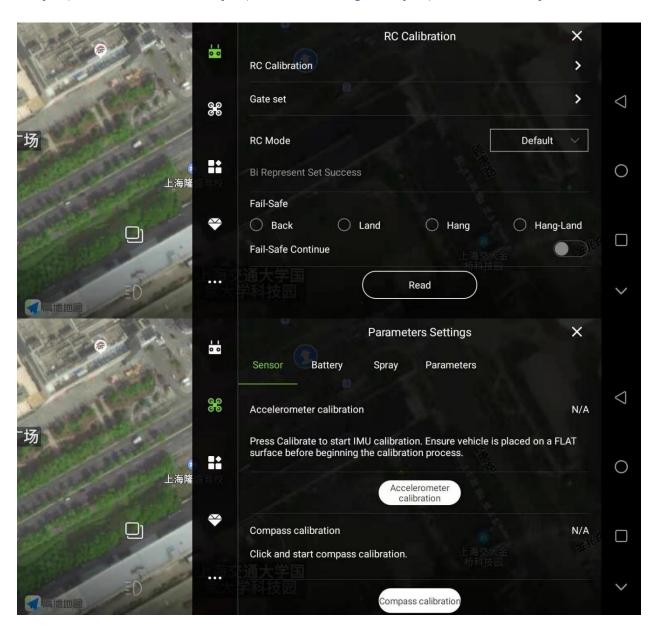
Click "Pause" in the lower right corner, the APP will prompt "Break point record successful", "Pause successfully", the aircraft will be hovering; click "Continue" in the lower right corner, the aircraft will automatically fly to the break point position, and then automatically execute AB Point homework

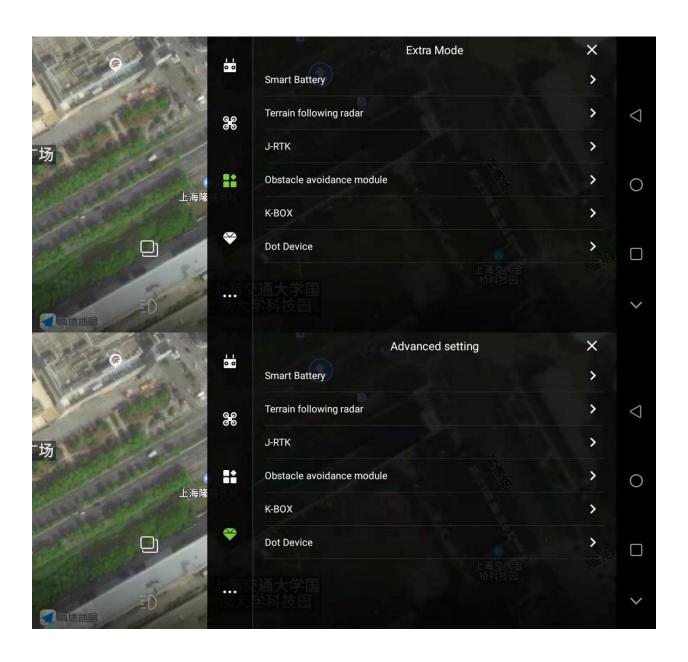


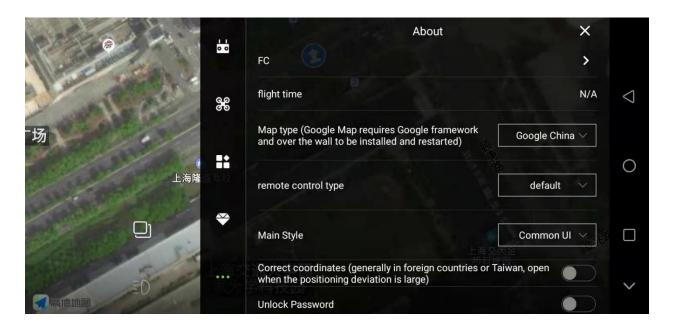


# Parameter tuning function

The parameter tuning functions are divided into: "Remote Calibration" interface, "Parameter Settings" interface, "Extension Module" interface, "Advanced Settings" interface, and "About" interface.

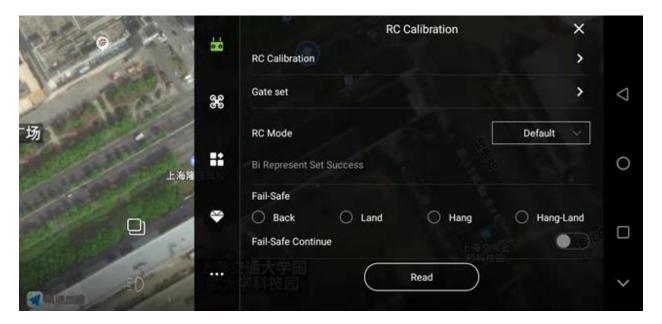






# Remote control calibration interface

The remote control calibration interface is divided into: remote control calibration, channel setting, joystick mode, out-of-control protection, and out-of-control continue operation.



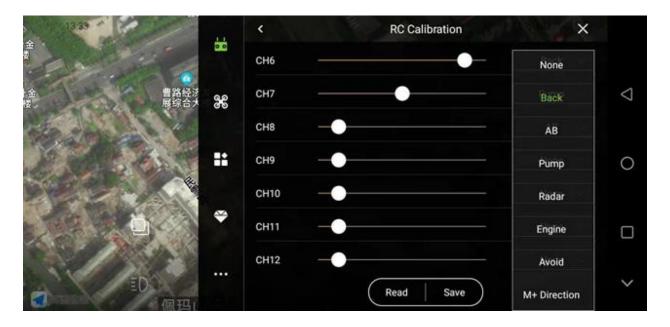
#### 1. Remote control calibration

After the newly installed aircraft, the replacement of the receiver and the replacement of the remote control, the remote control needs to be calibrated. After clicking "Start Calibration", follow the prompts to operate.



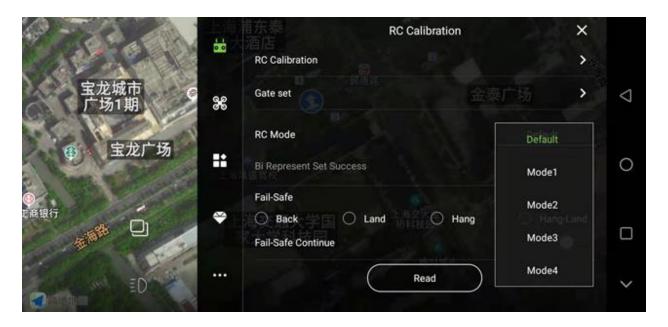
### 2. Channel settings

You can set the function of each joystick on the remote control. After setting, remember to click "Save" below.



# 3. Joystick mode

Perform remote control operation gestures for settings, which are divided into: Japanese hand, American hand, anti-Japanese hand and anti-American hand.



# 4. Out of control protection

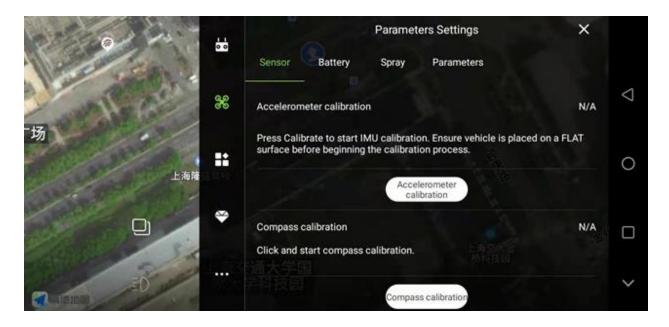
Loss of control protection refers to the disconnection between the remote control and the receiver signal on the aircraft, and the behavior that the aircraft is about to trigger is divided into: return, landing, hovering, and hovering landing.

### 5. Continue to work out of control

After setting the switch to continue working out of control, when the remote control is disconnected from the receiver, normal operations will still be performed, and the out-of-control protection behavior will not be triggered.

# Parameter setting interface

The parameter setting interface includes: sensor, battery setting, spraying setting, and flight parameters.

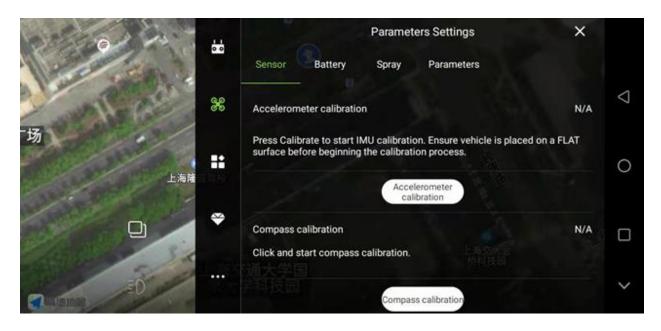


#### 1. Sensor

The newly installed aircraft must be calibrated with accelerometer and magnetic compass.

Accelerometer calibration: Click the "Accelerometer Calibration" button, and the calibration will be completed after 3-5 seconds. If the vehicle body is placed at a large tilt angle or shaken during calibration, it needs to be recalibrated.

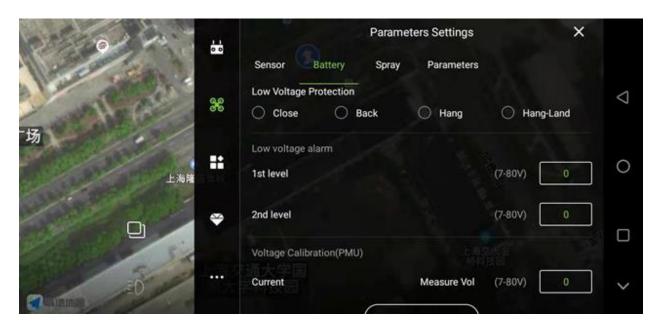
Magnetic compass calibration: When the flight controller is not unlocked, quickly turn the 5th channel flight mode switch back and forth (or click "magnetic compass calibration" on the APP) to enter the magnetic compass calibration on both sides. The yellow light is always on, and the horizontal calibration is entered. At this time, place the aircraft horizontally and rotate the axis clockwise in the direction of gravity until the green LED light is always on, and then enter the vertical calibration. At this time, the head is facing down and the axis of gravity rotates until the LED flashes alternately in red, green and yellow, and the calibration is completed.



### 2. Battery settings

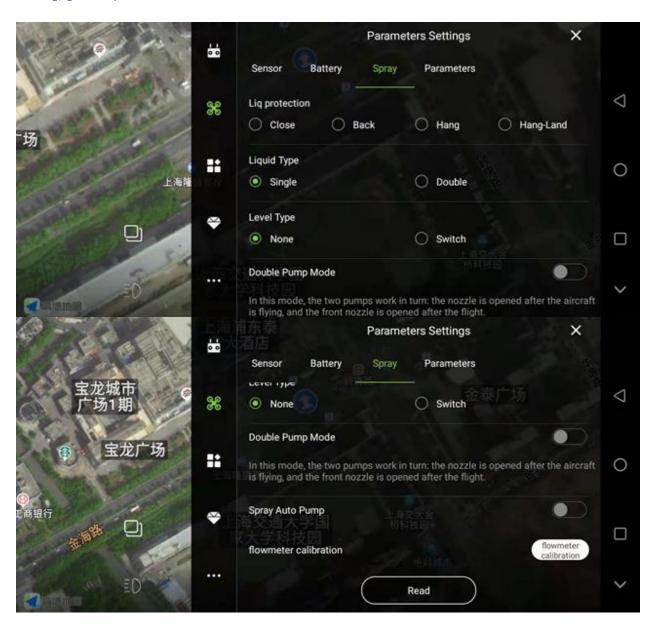
Low voltage protection: When the aircraft is in flight, after the low voltage protection is triggered, it will perform protection actions, including: shutdown, return, hover, and hover landing; generally it will be set to hover.

Take the 12S battery as an example. Level 1 alarm voltage: 44.3V, level 2 alarm voltage: 43.6V. If the actual voltage of the battery does not match the voltage displayed on the APP, enter the actual voltage value at the measured voltage and click Save to perform voltage calibration.

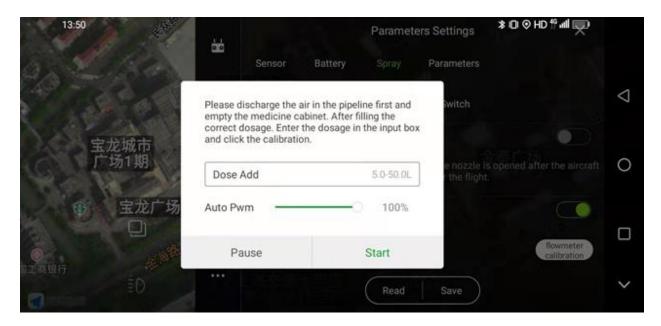


### 3. Spray setting

Discharge protection behavior: When the aircraft is in flight, after triggering the discontinuation protection, the protection behavior will be executed, including: shutdown, return, hover, and hover landing; generally it will be set to hover



Set the flow meter type: depending on the actual equipment installation, when using one flow meter, select a single flow meter; when using two flow meters, select a dual flow meter.



Type of level gauge: when using flow rate timer, select None; when using level timer, select switch level gauge;

Double water pump mode: When using two water pumps, turn on the "dual water pump mode" switch, then there will be no spraying before and after spraying in flight; when the switch of "dual water pump mode" is turned off, it will appear when spraying in flight The situation of two water pumps spraying together;

Automatic control of water pump in operation mode: After turning on the switch, the water pump will be automatically turned on during flight operation;

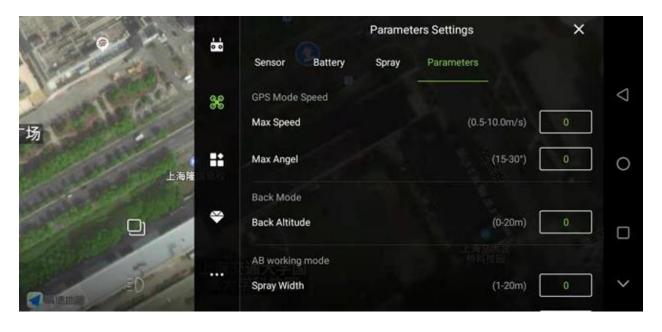
Flowmeter calibration: After clicking "Flowmeter Calibration", follow the APP prompts to operate.

# 4. Flight parameters

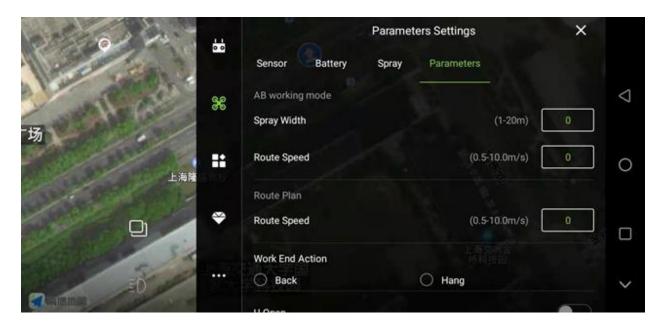
Maximum flight speed: the maximum speed of the aircraft in manual flight. When the obstacle avoidance radar is installed, the maximum speed is recommended to be limited to 6m/s;

Maximum tilt angle: the maximum tilt of the aircraft during manual flight. When installing obstacle avoidance radar, it is recommended that the maximum speed be limited to 15 degrees;

Return altitude: the flight altitude of the aircraft when it returns home after the aircraft triggers the return home protection;

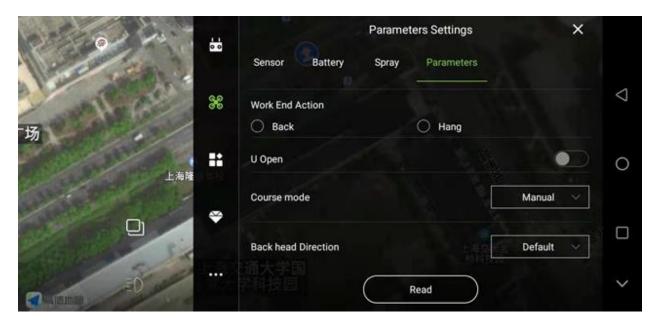


AB operation mode-line spacing: the distance between adjacent routes during AB operation;
AB operation mode-route speed: the flight speed of the aircraft during AB operation;
Route operation-route speed: the flight speed of the aircraft when performing fully autonomous operations;



Operation completion behavior: After completing the fully autonomous operation, the protection behavior triggered by the aircraft is generally set to hover;

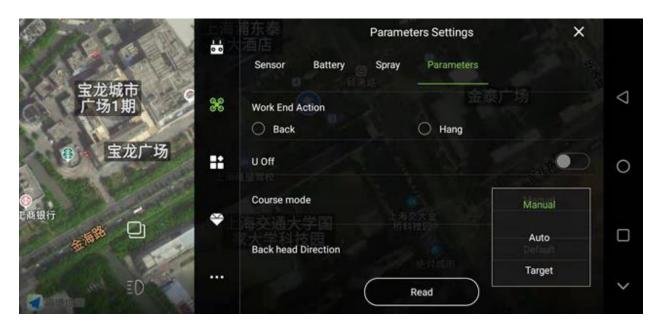
U-turn on: When the switch is turned on, a U-turn will be executed when the aircraft is turning; when it is off, a right-angle turn will be executed when the aircraft is turning;



Heading mode: manually control the heading, automatically align the course, and point to the next target. Manual heading control: During AB operations or fully autonomous operations, the nose direction of the aircraft needs to be controlled by the remote control;

Automatic alignment: during AB operation or fully autonomous operation, the flight controller will automatically align the flight alignment, and the nose does not rotate;

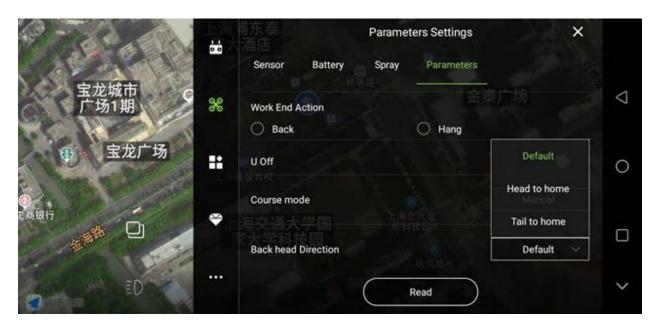
Point to the next target: During AB operation or fully autonomous operation, the nose is always pointed to the next target point, even when turning.



When returning home, the direction of the nose is unchanged, the nose is toward the home point, and the tail is toward the home point.

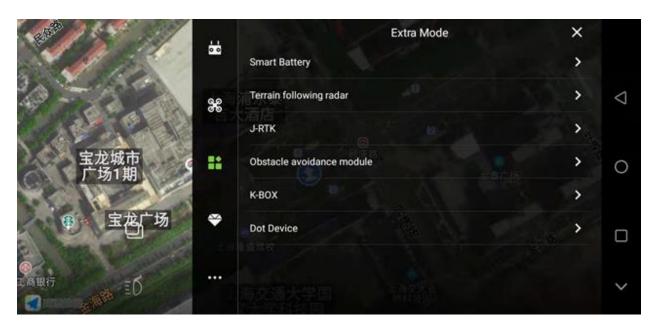
No change: When the aircraft returns home, the nose direction is toward the direction of the previous flight;

Head toward home point: When the plane returns home, the direction of the nose toward home point; The tail of the aircraft faces the home point: When the aircraft returns home, the tail direction of the aircraft faces the direction of the home point;



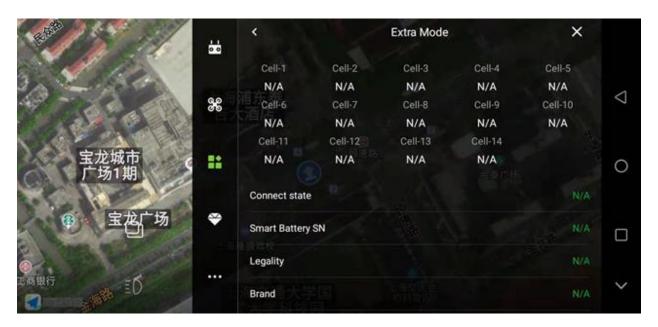
# **Expansion module interface**

The expansion module interface includes: smart battery, ground simulation module, J-RTK, obstacle avoidance model fast, K-BOX, and dotter.



# 1. Smart battery

You can view the information and usage of the smart battery



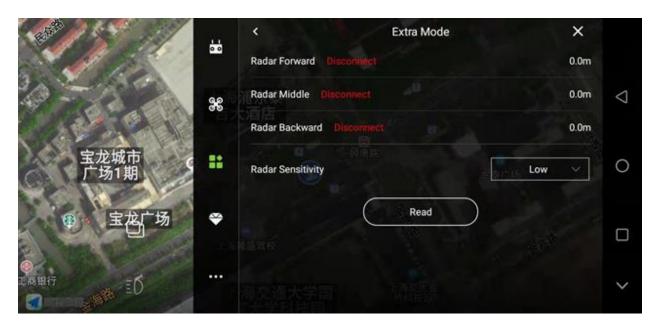
### 2. Imitation ground module

It can support the front, middle and back three simulation grounds, which can be used directly by plugging in CANHUb;

Low sensitivity: Suitable for high-stalk crops (such as sorghum, corn, etc.), imitating the ground smoothly, and restricting the descending speed. It can prevent falling and twitching caused by the lodging of the high pole and the uneven high pole.

Medium sensitivity: Suitable for most scenes and non-high-stem crops (such as rice, wheat, soybeans, etc.). The speed of imitating the ground is moderate, and the response is moderate.

High sensitivity: It is suitable for demonstration effects and some non-operating entertainment occasions. It is sensitive to ground imitation, rises quickly, and falls quickly.



#### 3. J-RTK

Connection status: display RTK connection status;

Fixed heading: display the RTK heading status, dual-antenna RTK will appear fixed, single-antenna RTK does not;

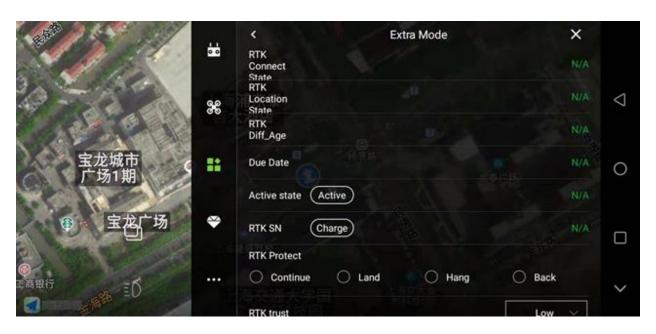
Differential delay: RTK differential data generally jumps between 1-3, which means that the RTK signal is in good condition;

Expiration time: The expiration time of the RTK fee. Generally, it will be automatically extended for one year after activation;

Activation status: The mobile phone turns on the network and connects to the airplane. It will show whether the RTK is activated or not;

RTK SN: After connecting to the plane, you can check the RTK SN number. If the RTK fee has expired, you can click "Recharge" here and follow the steps (to recharge first to communicate with the sales)

Recharge: After clicking "Recharge", you can recharge the device (when the usage time has expired)



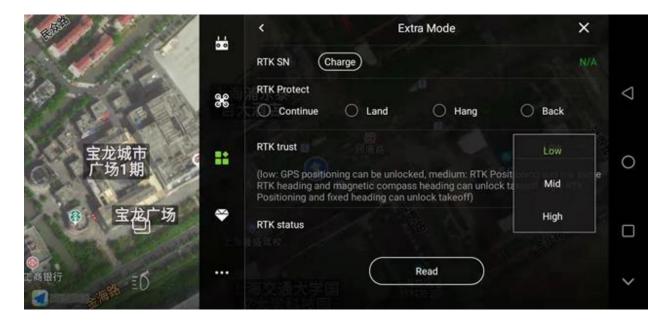
RTK failure protection: protection behavior triggered after RTK failure, protection behavior includes: continue, land, hover and return; generally set to continue;

RTK trust level: high, medium, low; generally set to medium when RTK is installed;

High: RTK positioning and fixed heading can be unlocked for takeoff;

Medium: RTK positioning and the RTK heading is consistent with the heading of the magnetic compass, you can unlock the takeoff;

Low: GPS positioning can be unlocked;



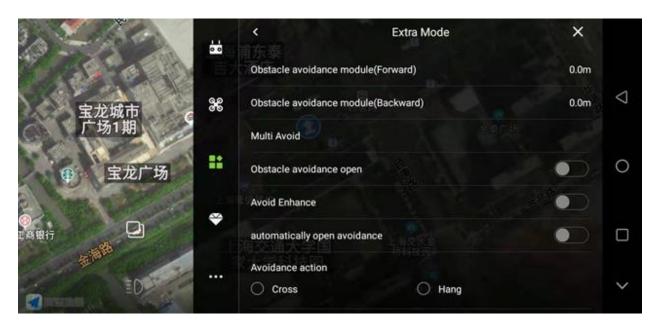
RTK link: When using the mobile phone network for signal transmission, there will be data bounce (increasing) here;

### 4. Obstacle avoidance module

It can support front and rear obstacle avoidance radar modules or use multi-point obstacle avoidance radar. When you want to use the bypass function, it is recommended to use a multi-point obstacle avoidance radar;

Obstacle avoidance enhancement: After turning on the switch, the triggering rate of obstacle avoidance behavior will be increased;

Operation mode automatically turns on obstacle avoidance: After turning on the switch, the obstacle avoidance radar will automatically turn on when performing AB point operations or fully autonomous operations;

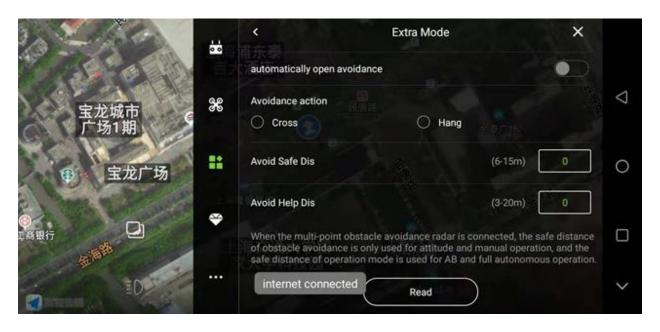


Obstacle avoidance behavior: detour and hover;

Hovering: The aircraft will trigger the hovering behavior after an obstacle is detected during the flight; Obstacle circumvention: When the aircraft detects an obstacle during the flight, the aircraft will perform the behavior of circumventing the obstacle;

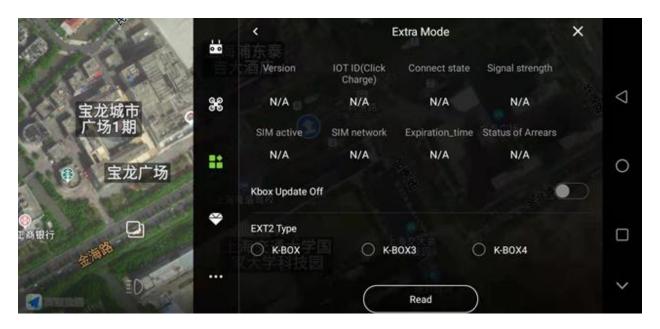
Obstacle avoidance safety distance: After the aircraft detects the obstacle, the distance between the final hovering position of the aircraft and the obstacle (generally set 8-10 meters);

Auxiliary advance distance: After the aircraft moves laterally, the actual advance distance = banner + auxiliary advance distance = 2 \* obstacle avoidance safety distance + obstacle diameter;



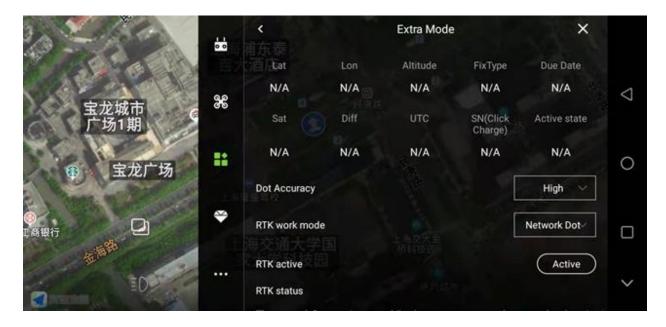
#### 5. K-BOX

There are currently three KBOX products: K-BOX, K-BOX3, and K-BOX4. After clicking Read, select the suitable device type, and click Save. After the aircraft is powered on again, you can view the KBOX data information;

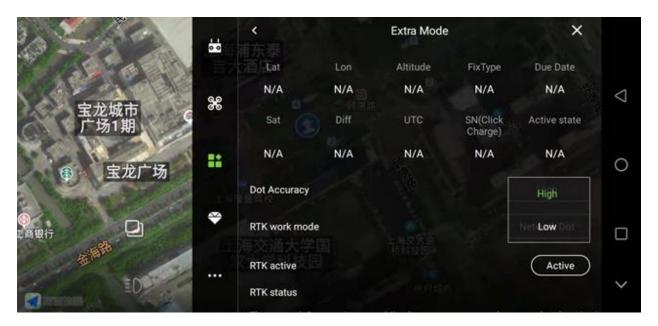


#### 6. Coordinate collector

After using Bluetooth to connect to the RTK inker, you can view the RTK data information on this interface; first check whether the RTK is activated, if not, then the "Activate" button behind the motor;



Accuracy: high accuracy and low accuracy. Generally, high precision is used for stepping, if high precision cannot be used for stepping, low precision can be selected for stepping;



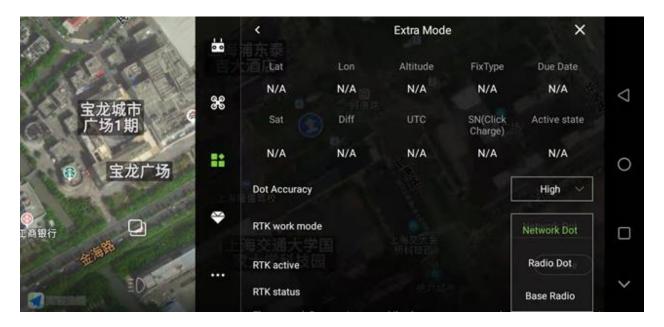
RTK working mode: network version, radio version and base station.

Online version: The default RTK RBI is the online version. The online version of RTK is generally used in China;

Radio version: generally used in conjunction with the base station, when using the inker abroad, when the base station is assumed, the inker needs to select the radio version, and then you can step on it;

Base station: In addition to the traditional base station, the all-rounder can also be used as a base station.

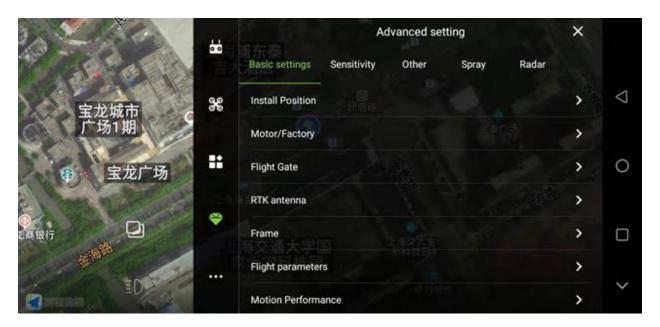
Set it here;



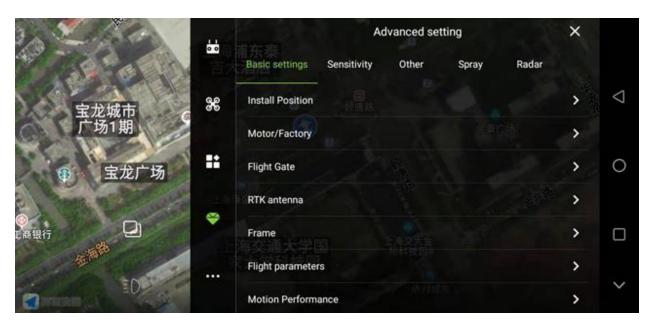
RTK link: When using the mobile phone network for signal transmission, there will be data bounce (increasing) here;

# Advanced settings interface

Advanced settings include: basic settings, sensitivity, others, spray settings, ground-like radar

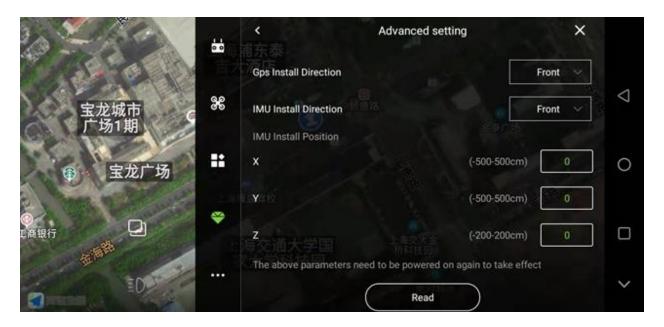


# **Basic Settings**



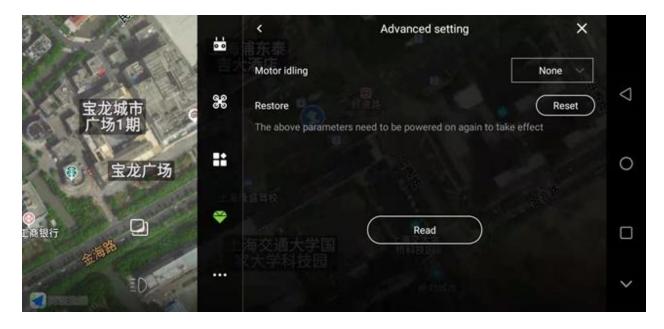
### 1. Installation location

Check the actual installation direction of the aircraft and set the correct GPS and IMU installation direction;



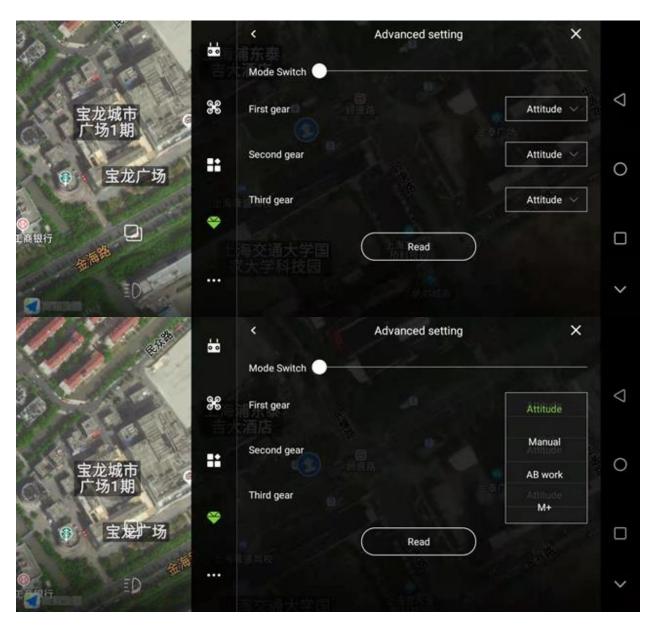
## 2. Motor/Factory

The motor idling speed is generally set to slow speed;



## 3. Flight channel

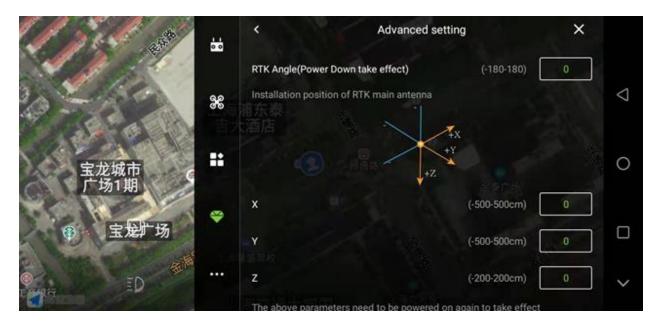
A three-stage switch is required, which are set to: attitude, manual operation and AB operation (or M+);



### 4. RTK antenna

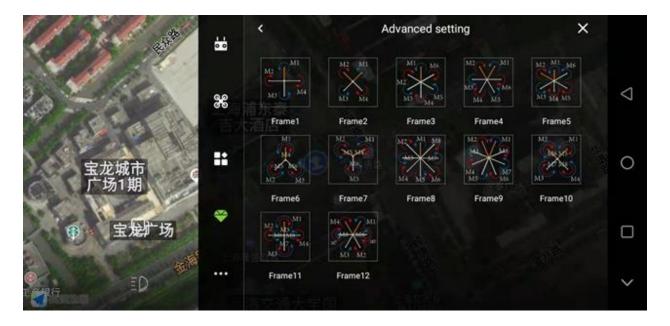
RTK antenna installation angle (for specific angle calculation method, please refer to the relevant manual);

Please set the RTK main antenna installation position as shown in the figure;

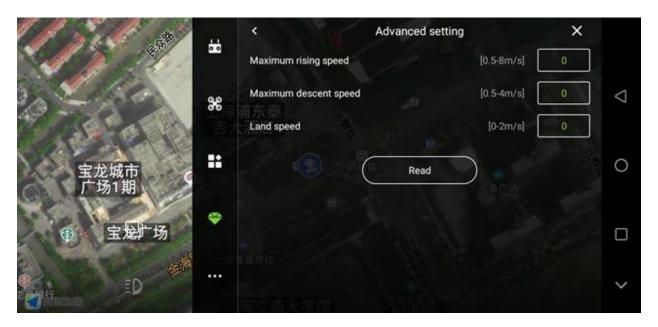


## 5. Aircraft type

Set according to the actual model, please save it;



# 6. Flight parameters Keep the default parameters.



## 7. Maneuverability

Performance mode: Generally select the seismic mode (see the aircraft performance for details);

Factory mode: After opening, the height limit will be increased to 500m, and the speed will be increased to 15m/s.

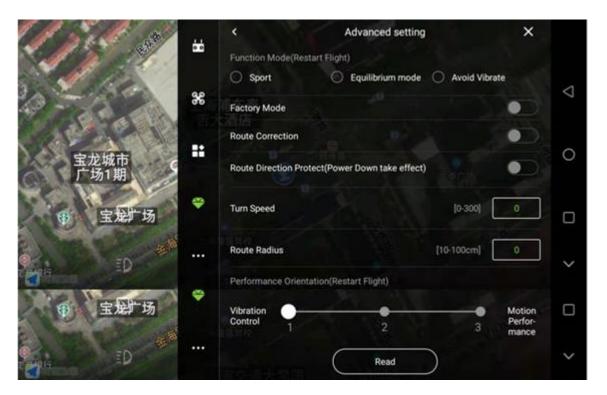
Track correction: open by default;

Course protection function: It is recommended to turn on. When the GPS direction is inconsistent with the actual direction, the aircraft can be protected from bombing;

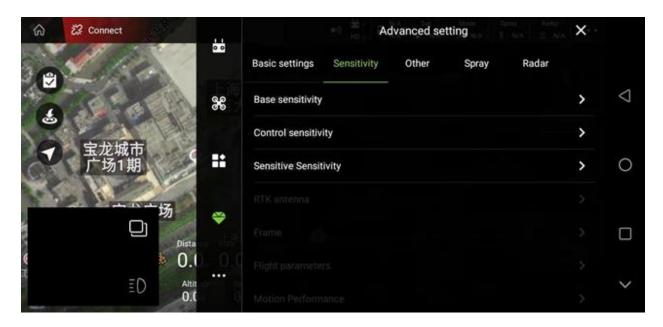
Rotation speed: used to adjust the speed of the aircraft's autonomous head rotation during operation, generally the default setting;

Waypoint hit radius: The radius of the waypoint reached by the flight controller, which is generally the default setting;

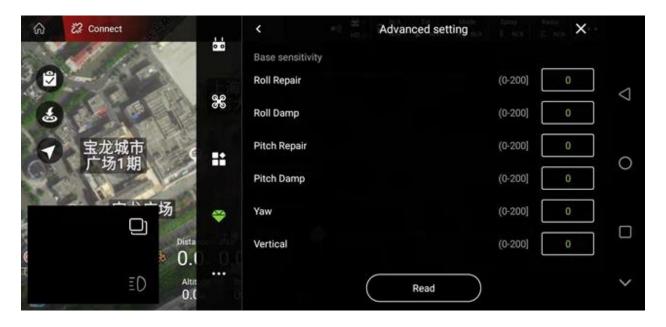
Performance orientation: generally set in the middle position;



# **Sensitivity**

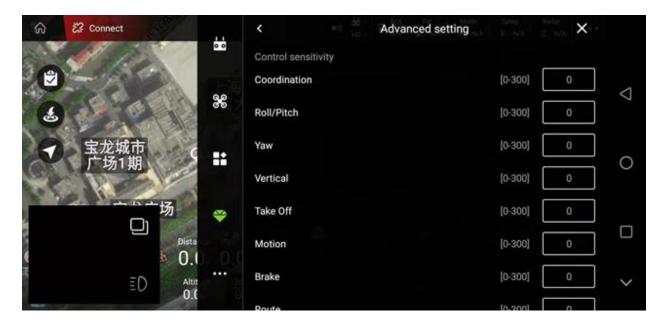


## 1. Basic sensitivity



	It is used to adjust the attitude control adapted to the aircraft. It is the
Roll/pitch correction	correction force for centering and stick control. If the aircraft attitude is
	weak and weak, it should be increased; if the movement is stiff and
	exaggerated, it should be adjusted down.
	used to adjust the attitude control of the aircraft to resist external
Roll/pitch damping	disturbances. If the aircraft attitude is high-frequency jitter, it should be
	adjusted down; if the movement is stiff and there are many small
	movements, it should be adjusted up.
Yaw	It is used to adjust the yaw control of the adapted aircraft. If the aircraft
	lock cannot be locked, the sensitivity should be increased.
Vertical	It is used to adjust the height control of the adapted aircraft. If the
	aircraft twitches back and forth, the sensitivity should be reduced.

## 2. Control sensitivity



		Adjust the control feel of controlling the pitch and roll. The
	Roll/Pitch	larger the value, the faster the control response, and thinner to the limit of the aircraft's dynamic physical model. If the user's aircraft has poor maneuverability, the brake action is exaggerated and the attitude overshoot is serious during the fast maneuver, so the pitch and roll control sensitivity should be lowered.
	Yaw	Adjust the control feel of controlling yaw. The larger the value, the faster the control response, which is limited by the aircraft's dynamic physical model. If the aircraft is in the course of the course and back, there is a situation that affects the attitude, you need to lower the yaw control sensitivity.
		The control feel of adjusting the control height. The larger
	Vertical	the value, the faster the control, which is limited by the aircraft's dynamic physical model. Use the remote control to control the aircraft's rapid ascent and descent. If the attitude changes a lot during the altitude control, the vertical foundation sensitivity needs to be adjusted down.
		Adjust the acceleration and deceleration speed of the
		aircraft during autonomous flight. The larger the value, the
Control sensitivity	Route	faster the acceleration and deceleration. The smaller the value, the smoother the aircraft movement. This parameter greatly affects the operation efficiency. If the maneuverability of the customer's aircraft allows, the larger the recommendation, the better.
	Brake	Adjust the speed of the aircraft when braking autonomously. The larger the value, the faster the brake, the smaller the value, the slower the brake, and the smoother the movement.
	Takeoff	Adjust the takeoff response of the aircraft. The larger the value, the faster the takeoff, and the clearer, the smaller the value, the smoother the takeoff.
	Maneuvering	Adjust the acceleration and deceleration speed of the aircraft. The larger the value, the faster the aircraft acceleration and deceleration, and the smaller the value, the smoother the aircraft movement. Generally, adjustment is not recommended.
	Coordination	It is used to adapt the coordination degree of control response and aircraft maneuver. The faster the dynamic response, the greater the value.

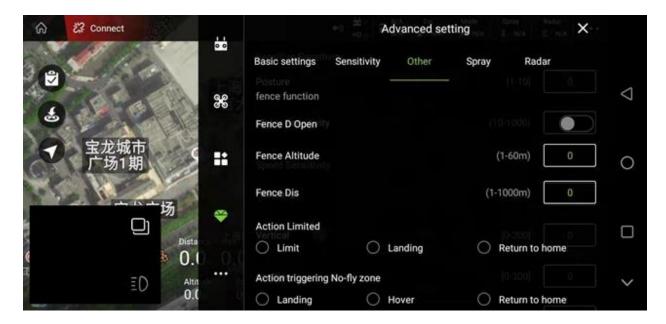
## 3. Spiritual sensitivity

For unspecified parameters, select the default.



	Level	The gain of the aircraft's horizontal speed control, which is generally not recommended. If the aircraft nods during the course of the route, the nod will be reduced after the adjustment, but if the value is too low, it will affect the route
		accuracy and the positioning effect.
Speed sensitivity		The gain of the aircraft's vertical speed control, which is
		generally not recommended. If the vertical base sensitivity is
	Vertical	adjusted to a low level and high twitching still occurs,
		consider reducing the vertical speed sensitivity to improve it.
		Adjust the speed of the flight control's response to the
		input commands of the remote control. The larger the value,
Spiritual		the more sensitive the flight control is to the tracking of the
sensitivity	Attitude	remote control input. If the movement of the aircraft is still
		stiff after the pitch and roll control sensitivity is reduced, the
		handle feel will become softer after the adjustment.

# Other

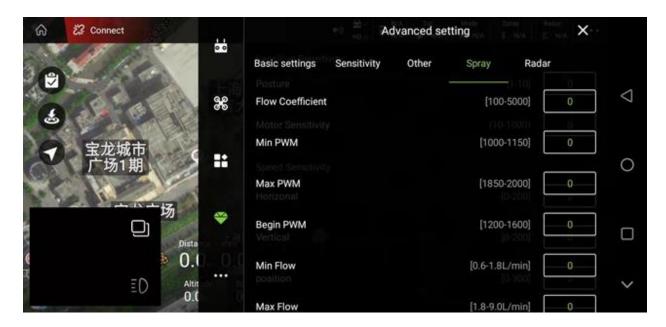


### 1. Fence function

After turning on the fence switch, the aircraft will fly within the three-dimensional range that has been set

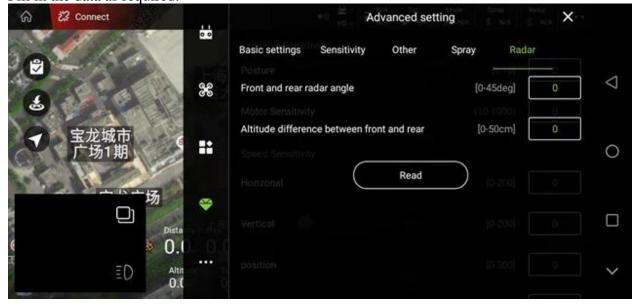
- 2. Restriction behavior: When the aircraft flies to the fence boundary, you can choose to trigger the landing, return and restriction behavior (the aircraft just cannot fly out of this range, and other operations will not be affected);
- 3. No-fly zone trigger behavior: when the aircraft flies to the border of the no-fly zone, you can select the trigger behavior to land, hover and return;
- 4. The remote fence is turned on: After it is turned on, you can set a no-fly zone on the aircraft through the computer background.

# **Spray setting**



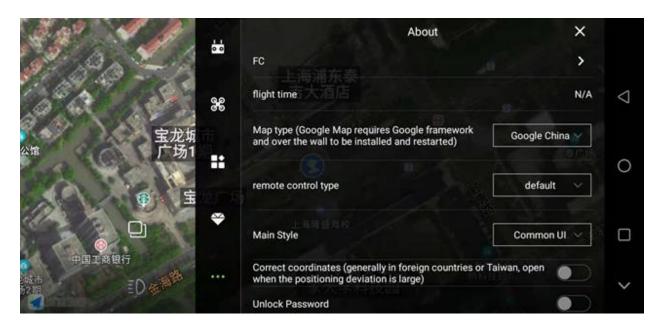
## Ground radar

Fill in the data as required.



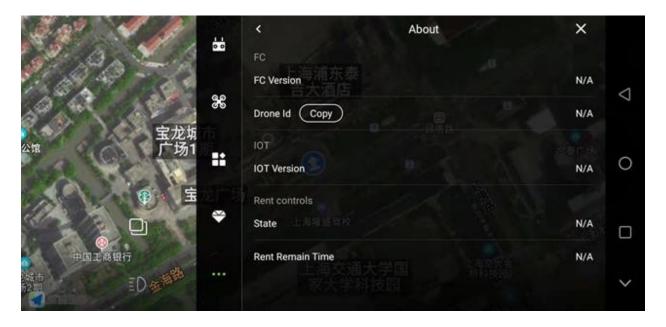
# About

Including: flight control, accumulated flight time, map type, remote control type, main interface style, coordinate correction, unlock key, image transmission/unit setting, voice prompt, detection function 1 and detection function 2.

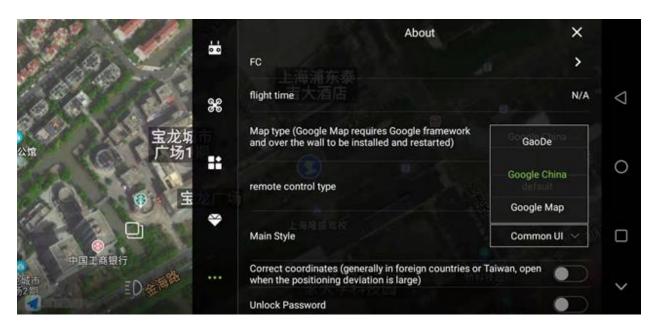


## 1. Flight control

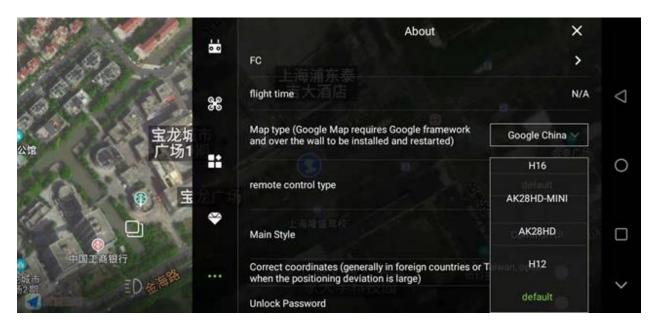
After entering the flight control interface, you can view the flight control firmware version number, aircraft serial number, IOT version number, and lease control status.



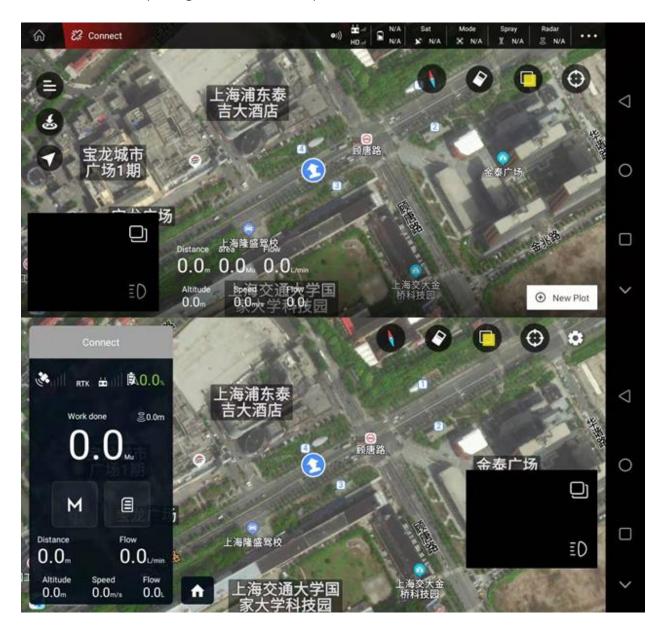
- 2. Cumulative flight time: the total time after the flight controller is powered on
- 3. Map types: AutoNavi Map, Google China and Google Map. Take effect after APP restart



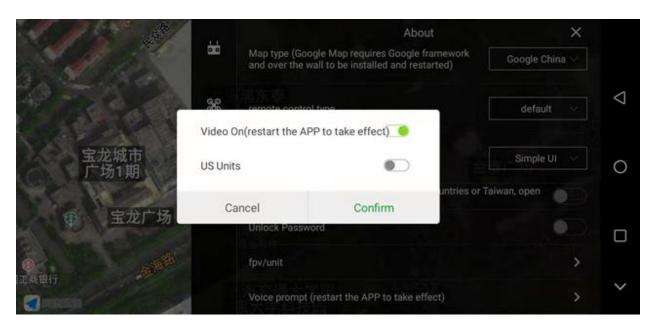
4.Remote control type: T12, SIYI, H16, AK28HD, AK28HD-MINI, etc. This setting will affect the image display of different remote controls



5. Main interface style: regular mode and simple mode. As shown below:

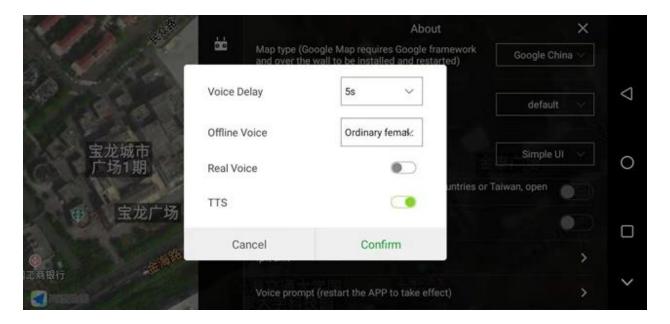


- 6. Correction of coordinates: generally in foreign countries or Taiwan, when the positioning deviation is large, it needs to be turned on;
- 7. Unlocking secret key: After turning on the "switch", you can manually set the remote control unlocking password. If you don't enter the correct password, you won't be able to unlock it successfully;
- 8. Image transmission/unit setting



Real-time voice: When turned on, the flight speed, altitude, voltage and other data will be continuously broadcast during the flight;

9. Voice prompt



### 10. Detection function 1

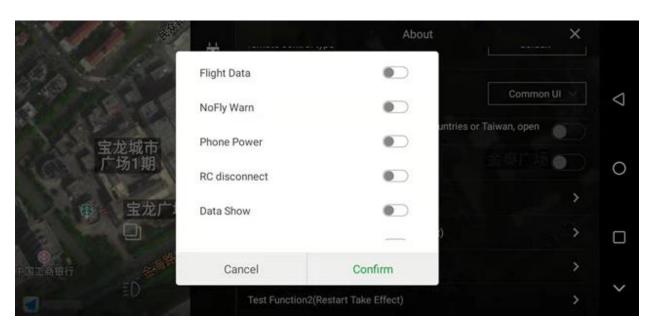
Real-time data switch: After it is turned on, when the plane is flying, you can view the online plane on the computer background;

No-fly zone alarm switch: When turned on, when the aircraft is flying and approaching the no-fly zone, the APP will sound a "di di di" alarm;

Mobile phone battery display: After opening, the mobile phone voltage will be displayed at the voltage on the main interface of the APP flight;

The remote control is not connected switch: After it is turned on, when the aircraft is disconnected from the remote control, the APP will sound an alarm;

Data display: After opening, you can display the remaining amount of medicine in the medicine box; Beidou inspection: mainly used for Beidou inspection;



# Special feature

# M+ mode

M+ mode operation process



After the plane takes off, fly to a suitable position, click on the "A" icon on the left side of the main flight interface of the APP, after unfolding, select the "M\*" icon, the APP will voice prompt "M+";



Spraying mode: You can choose manual spraying, linkage spraying or spraying volume per mu;

Water pump opening: in manual spray mode, the water pump opening can be controlled

Line spacing: work spacing when working at point AB

Flight speed: the flight speed during operation at point AB

Terrain following: When installing the ground-like radar, you can control the switch of the ground-like radar

Imitation ground altitude: when the ground imitation radar is turned on, set the flight altitude during operation at point AB

M+ lock mode: the default is on. During the M+ mode flight, the direction of the aircraft nose cannot be rotated; when the switch is turned off, the direction of the aircraft nose can be rotated;

After debugging the parameters, click "OK"



After the airplane has flown forward or backward for a proper distance, click "Move Left" or "Move Right" in the lower right corner, and the airplane will automatically move 1 line to the left or right;

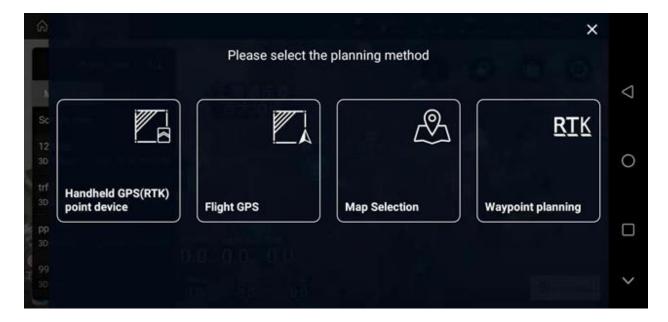


Repeat the previous step to complete the work on small irregular plots

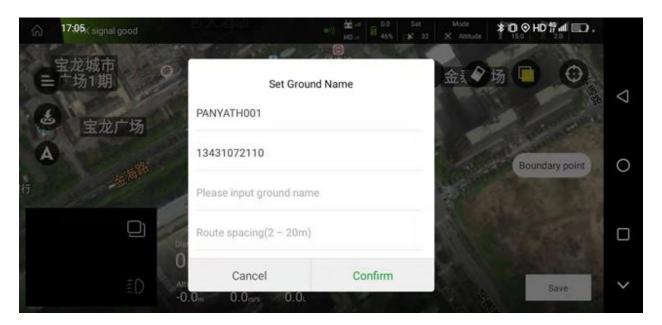
# Three-dimensional route

Three-dimensional route operation process (RTK installed)

After the APP connects to the aircraft, enter the "Planning Land" interface and select "3D Route"



Enter the name of the plot and the route distance, click "OK" in the lower right corner

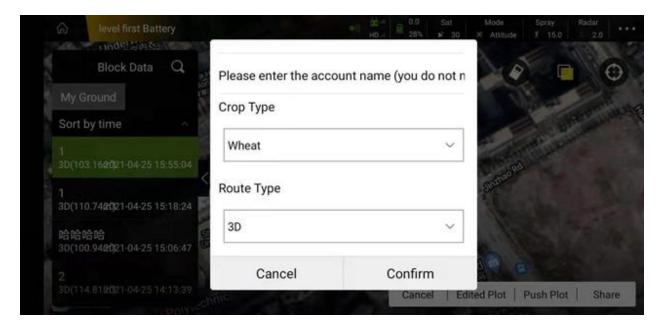


After the plant protection aircraft takes off, use a suitable height to step on, as shown in the figure below, click "Save" in the lower right corner after completion



In "My Land", select the saved land, click "Task Assignment" in the lower right corner, click "OK", the task is assigned successfully.

- 3D continuous route: when the route is flying, the aircraft will always spray
- 3D fixed-point route: when the route is flying, the aircraft will rotate and spray on the waypoint



Find the assigned route in "Perform Job"-"Pending Job". After selecting the route, click "Execute Job" in the lower right corner. After confirming the job parameters, click "OK" and follow the procedure to execute the 3D route normally. task

Surface area: the real area of 3D topographic operations (slope area)

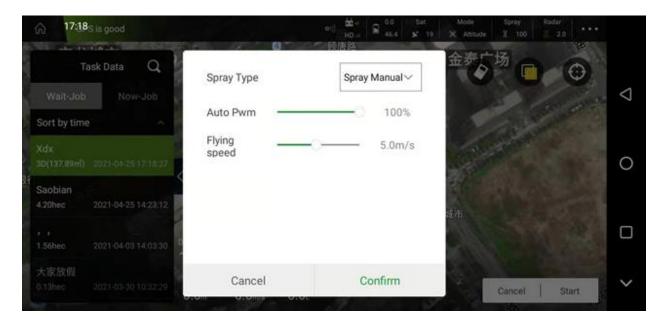
Projection area: the two-dimensional area projected by the three-dimensional terrain operation (a large difference from the actual operation area)

Pump opening: the actual spray opening of the pump during operation

Circle: After opening, the aircraft will perform autorotation spraying

Number of laps: After turning on the lap switch, you can set the number of laps

Flight speed: the flight speed during route operations



# Online plane

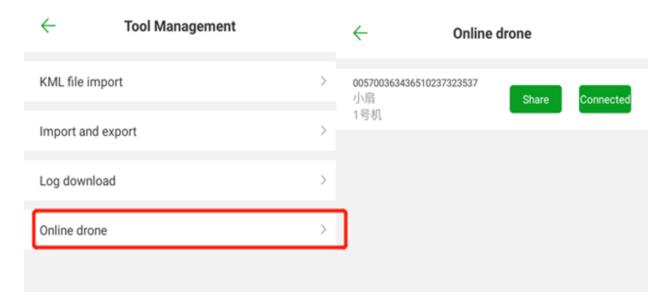
Online aircraft operation process (install KBOX4)

In the main interface of the APP-"Device Management"-"Tool Management"-"Online Aircraft", find the plant protection machine that needs to be connected, and click "Connect"

After connecting, you can enter the main flight interface to view the flight status of the plant protection aircraft, or you can directly set the flight parameters (remote adjustment sensitivity), view the flight operation status, and directly upload the fully autonomous route (operate with caution);

#### Note:

- 1. The aircraft must be bound to the account of the manufacturer and the owner;
- 2. Only the owner can connect directly, or the owner can directly connect to the aircraft through the sharing function;

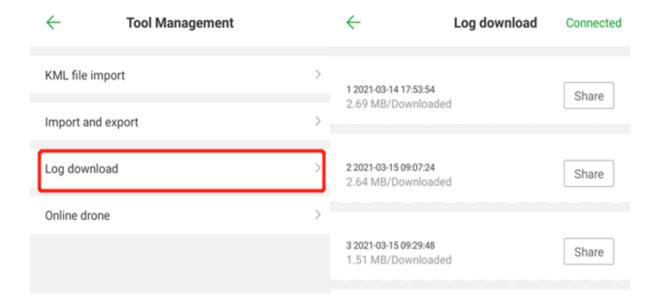


Sharing: After the plant protection aircraft is bound to the owner, only the owner can connect to the online aircraft; the owner can share the plant protection aircraft with others, and other people can connect to the plant protection aircraft.

# Log download

Log download (for use with KBOX-4)

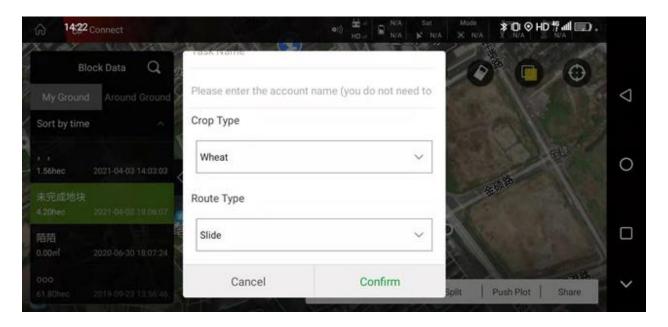
In the main interface of the APP-"Device Management"-"Tool Management"-"Online Airplane", first connect to the aircraft, and then enter the log download interface to download the log. After the download is completed, you can share it with others through QQ, WeChat and other software.



# **Sweeping function**

Sweep function operation process

In "My Land", select the appropriate polygonal land, click "Task Assignment" in the lower right corner, select "Sweep Edge" for "Route Type", and then click "OK";



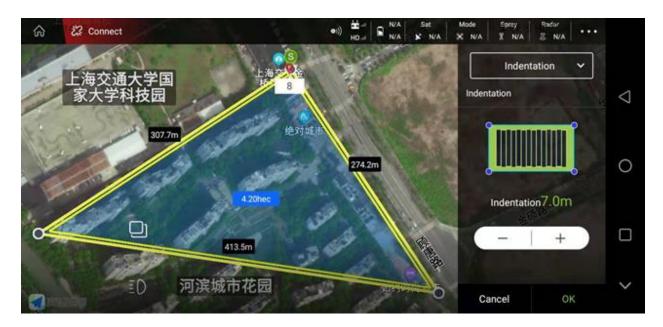
In "Pending work", find the allocated land and click on "Route Adjustment" in the lower right corner



Select the drop-down menu at the upper right corner of "Job Spacing" and select "Route Indentation"



Click the "+" icon on the right to increase to 1 working distance, the route will automatically shrink in a circle, after the adjustment is completed, click "OK" in the lower right corner



Click "Execute Job" in the lower right corner and follow the procedure to perform the edge sweeping job.



# **KML** file import instructions

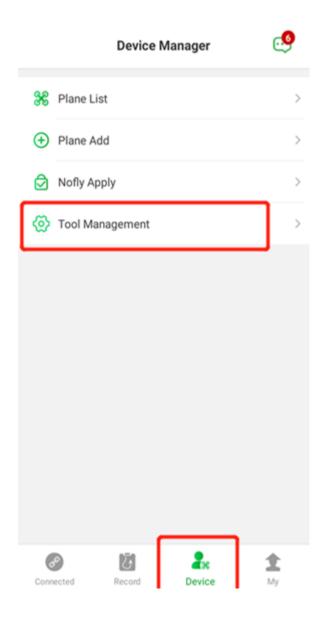
1. First put the prepared KML file in the "mobile phone internal storage-kitJson" folder.

### Note:

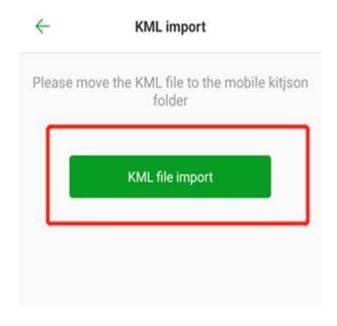
- 1). Only one KML file can be placed in the kitJson folder.
- 2) The plots made in the KML file must be polygonal plots, not some points.
- 3) One KML file can contain multiple plots (more than 2).



2.Open "Fly Defense Manager APP", select "Device Management"-"Tool Management"



3. Select "KML file import", the APP will prompt "KML file import successfully"





4. Open the "Planning Plots" interface, and you can view the plots imported by the KML file in "My Plots"



5.Operate in accordance with the normal "task assignment" process, then normal operations can be done.

# Import and export function

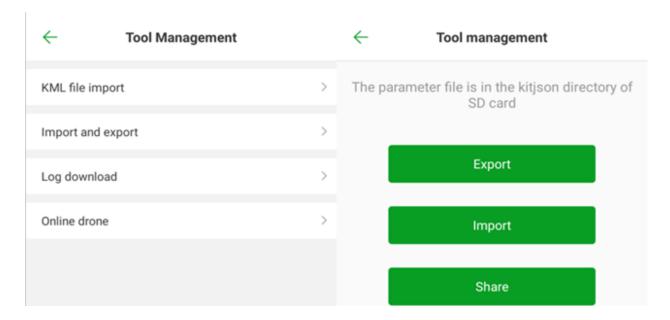
Import and export function operation process

The import and export function is mainly to solve the problem of frequent manual input of the flight control parameters of the plant protection machine during the mass production of the plant protection machine manufacturer.

First enter the appropriate parameters in a flight controller, then after the APP connects to the flight controller, in "Device Management"-"Tool Management"-"Import and Export", click "Export";

Note: the exported parameters will be stored in the mobile phone, storage location: mobile phone file management-SD card-kitJson folder. There is only one export parameter, and the latest export parameter will overwrite the previous parameter file.

Then the APP connects to other plant protection machines that have not debugged the flight control parameters, click "Import", the parameter data previously saved in the mobile phone will be imported into the flight control;

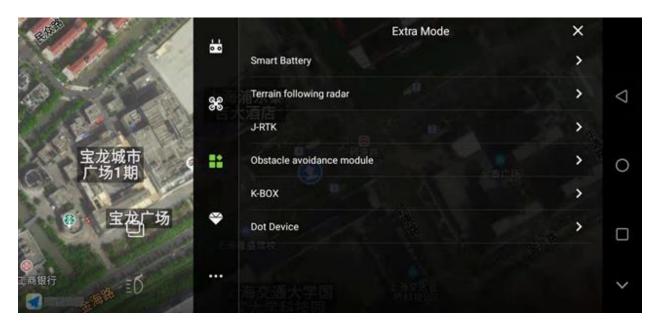


Sharing: After successfully exporting the parameters, click "Share" to forward the parameter data in the flight controller to others through QQ, WeChat and other software.

# RTK activation and recharge process

## Airborne RTK

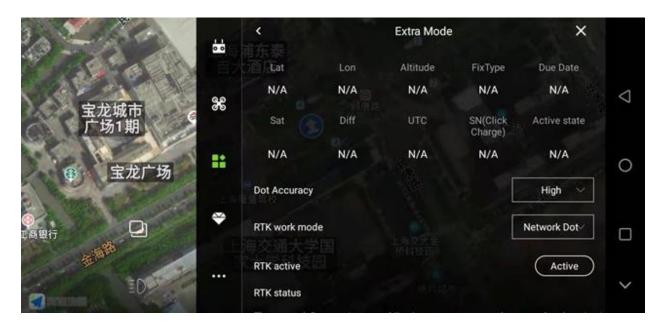
To use the RTK on the airborne terminal for the first time, first turn on the flow switch of the mobile phone (or use WIFI), the aircraft is powered, the mobile phone is connected to the remote control Bluetooth, open the parameter setting interface, enter the "expansion module"-"J-RTK", and click "Activate" to normal positioning.



Note: When the RTK is not activated, the differential delay display is 0, and the heading is fixed and it is also displayed as unfixed. It is recommended to activate in time. After activation, please check whether the "Expiration Time" is extended by one year.

### RTK dot machine

To use RTK for the first time, first turn on the mobile phone flow switch (or use WIFI), power the aircraft, connect the mobile phone to the remote control Bluetooth, open the parameter setting interface, enter "Extension Module"-"DOT", click "Activate" in the RTK activation bar, It can be positioned normally.

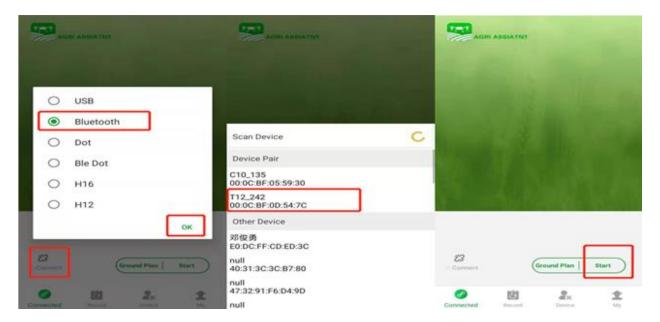


Note: When RTK is not activated, the differential display is 0. It is recommended to activate in time. After activation, please check whether the "Expiration Time" is extended by one year.

### RTK payment

RTK products can be used free of charge for 1 year, and a fee is required to be used after 1 year.

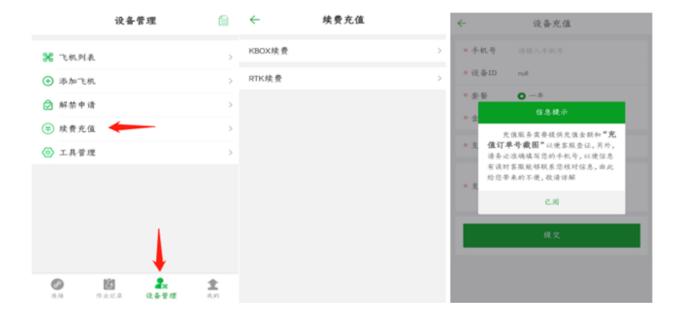
- 1. Turn on the remote control, power on the aircraft normally, and power on the K-BOX module on the aircraft to work normally
- 2. Use the mobile APP to connect to the aircraft via Bluetooth. As shown in the figure:
- 1) Open the mobile APP
- 2) Find the Bluetooth name connection corresponding to the aircraft
- 3), click to execute the job



- 3. Find the J-RTK interface in the extension module in the APP. As shown in the figure:
- 1), click on the upper right corner of the APP main interface
- 2), click the icon as shown in the figure to enter the expansion module J-RTK interface



- 4. Click to copy the "RTK SN" number, and then operate as shown below:
- 1) Click "Device Management"-"Renewal Recharge"-"RTK Renewal";
- 2) Read the prompts carefully and operate as required.

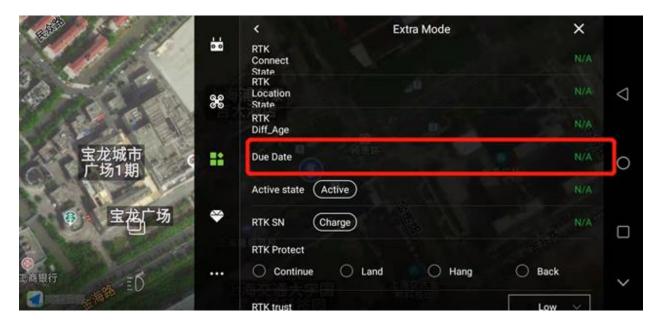


### 5. Payment operation process

- 1)Fill in your personal mobile phone number to prevent abnormal recharge, Jiyi customer service can contact you;
- 2) The device ID is the previously copied RTK SN, which will be filled in by default (please check carefully whether it is wrong);
- 3)The package defaults to one year;
- 4)Choose "Alipay" as the payment method, and a QR code payment box will pop up. Please make the payment as required and take a screenshot of the payment result;
- 5)Click the "+" sign in the payment screenshot, add the payment screenshot just now, and finally click "Submit".



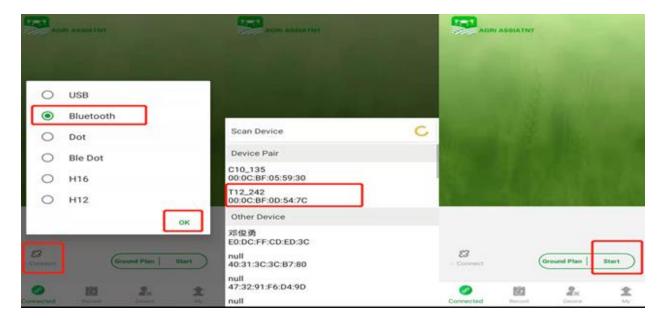
6.After submitting the information, please wait patiently for the review. The normal receipt time is 2-5 days. Please pay attention to whether the expiration time of the RTK interface is normally superimposed (extend 1 year later)



# **KBOX** recharge process

## **KBOX** recharge process

- 1. Turn on the remote control, power on the aircraft normally, and power on the K-BOX module on the aircraft to work normally
- 2. Use the mobile APP to connect to the aircraft via Bluetooth as shown in the figure
- 1) Open the mobile APP
- 2), find the corresponding name of the aircraft
- 3), click to execute the job



- 3. Find the expansion module K-BOX interface in the APP, as shown in the figure
- 1), click on the upper right corner of the APP main interface
- 2), click the icon as shown in the figure to enter the expansion module K-BOX interface



- 4. K-BOX renewal and recharge, first record the IOT card ID on the K-BOX display interface
- 1), click on device management to recharge recharge
- 2), read the recharge reminder
- 3). Fill in as required to confirm that it is correct and click Submit



### Note:

- 1. The recharge interface information is for reference
- 2. The rechargeable IoT card ID must be the same as that displayed on the K-BOX interface, please make sure that the information is correct and click submit
- 5. After submitting the information, please wait patiently for the review. The normal receipt time is 7-10 days. Please pay attention to whether the expiration time of the K-BOX interface is normally superimposed

